

APPENDIX 1

62903058980VS

File NO: 7529/19148US1

00910943-072204

Q9922009.Seq

GAAAGCTTTTNNACCCCTTGGCGGCCGCCCCCCCCCCCGCTCTTTCCAGCCCATCTTTTGGCTTACTAGCAAGCGAGCTCTAGGCTCCAGGCCTC
GTAGAAATCGGAGGAACATCCACCTCTTAAGGGGCCATCATGCCCGGTCACTTGCAGGAAGGCTTCGGCTGCTGTAAACCAATCGGTTCCGACCAGCT
ATTTGACGATGAGTCCGACCCCTTCGAGGTGTTGAAGGTGCCGAGAACAGAAAGGAGGCTCAGGGGACCGGGCCAGGAAACCGGCAAGACG
GCAGCACAGGCCGCCAAACAGTCCAAGAAGGAGTCCGAGAAAGAAAGGAAGAAATCCTCTGCATGATGAGAGCCCGGCCCTGTCCCACTCAAGAAGG
AAGCGTTAGGAGAGTTGTCGGAGACCTGATCAGCAACAGCAGCAGCCATCTCAGCAGCAGCAACCGCAACAAACAACCCCTCAATCATTTGCA
GGTGAAAGGAAAGCCAGTTGACCGGAGGCAATCAGACAGGCGGCCACCCCGTGAGCGCCGTTTTTGATAAACCAAGCTGAAGAAAAGGTTGAAGCAGGG
GAAATTTCTGTTGACCGGACCCATCATGATAGGCCCATCCGTGTCGCGGTGCCCTGGTGAANGGTGCCCCGTGGCGGCCCGTGACGTTGGCTTGG
GCANGGGTGATGGCTTTGACTCTCGTNGGAAAACGTGAATTTTGACAGGCATAG

SECRET

Q9922010.seq

[illegible]

Q9922011.Seq

TTTTGAAAACCCCTTTTGCCCCCGGTGGCGCCGCTACGTGTCTGACTTCCTGCTTTTGAAGCTGCTGGAATCCATACACCCAGTTGGACATGTCCCAG
 CCGGTGTGGCTGATCTGACTCACGCTAGACTCCATGTTATTGGCATGAGCCCCAGGCTGAAGTGTGTGTGCACACACCTGTCCCAGGTACATTACA
 GCAGGGGTGCAGGGAAGGAGATTTTGGGTTGTCCGTGAGGAAGCTGCTGCTTTACACACACACACACACAGAAATGATGGGTAAGTGGAGGGCCT
 ACACTCAC
 GTAACAAAGTATTTATATGAGATGTTCCCTCATATCTAGNGGGTCTCACCTCACAGATACACTTATACCATGTGACACACACACACACAC
 AGTGGGAGGGGCACTAACAAAGTNGTTTATATGAGATGTTCCCTCATATCTAGGTGGGTTTANCTACAGATACACTTATACCATGTGACACACAC
 ACCACANAATTNTNGGTAANGTGGGAGGGGCTGTANCAAAANNNTTNNNTATGANANNNTTCTTATAATTTAGGGGGGGTCTTACCTCACANGNT
 NCCNNTTATACCATTTGTGACACACACACANAAATTNATGGGTTAAGTGGGGAAGGGGCTGATAACNNNT

Q9922012.Seq

Page 1

Q9922013.Seq

TNTNANCCNTGNTCCCCCGGGTGGCGGCCGCTGCGGCAAGATTGTGTATCCCAACCGAGAAAGTCAACTGTCTGGATAAGTTCTGGCACAAGCAT
GCTCCCACTGTGAGATCTGCAAGATGACTCTGAACATGAAGAACTACAAGGATATGACAAAAAACCATACTGCAATGCGCATTACCCCAAGCAGTC
TTTCAACACAGTGGCCGACACCCCGAGAAAACCTTCGCCCTAAAAACAGCAAAAGTGAGCTGCAGAGCCAGGTCCTGTTACAAGGAAGACTTTGAAAAAGAAAT
AAGGGCAAGGGATTCAAGTGTAGTGGCCGACACCCCTGAACCTGCAAAAGGATCAAGAAAAACCCAGGATCAGATCAGCAATATTAAATATCATGAAGAAAT
TTGATAAGAGCCGGATGGGAAACCCATTGGTGGATGGTATGATTTTGACCGTCGAGGATCCGATGATGGTGCCCAATTACCGCAGACCTTTCACAGAG
TTCTCAGCAGCACCAACCCCGAGTAGCTCAGCCTATCCGAGCATCAACCGCAACCAAGTATGGCTACAGGAACCTGCTGCTCCTGTGTCTG
TCCCAACGCAGTGCCCGGAGCAGCAGCAGGAGGAAAGCGATACAGAGCTTGTGTACGACTACAATGCAGCCCGATGAAGACGANGTGTCT
TTTTCNAGATGGCGACACCATCTTAAACGTTCAACAGATTGACGACNGCTTTGGATGTNT

Q9924933.Seq

TNCGCTTNNGTTCNTTTTGCAGGATCCCATCGATTGGAATTTCGTGACCCACGCGTCCGCACCCAGCACTTTCTCTGAATACACTGTTGTAGCAGA
TATCTCTGTCGCTAAAAATAGAGGACTCTGCCCTCTGGACAAAGTCTGCTGGCTGTGGAATCTCAACTGGTTATGGAGCTGTGATTAAACACA
GCAAAGGTTGAACCTGGCTCTACATGTGCTGTCTTTGGCTTGGAGGAGTTGGTCTTGCAGTCATTATGGGCTGTAAAGTAGCCGGAGCTACTCGCA
TTATTGGCATTGACCTTAACAAGGACAAAGTTGCAAGGCAACAGAGTTTGGAGCTACAGAATGCTTAAACCCAGCGGACTTCAACAAACCTATTCA
GGATGTA CTGATTGACATGACTGATGGAGGAGTGGACTATTCTTTTGTAGTGTATCGGCAACGTCCTGTTTATGAGATCAGCGTTGGAAGCGTGTCA
AAAGGCTGGGTACAAGTGTATTAGTCGGAGTTGCAAGGCTCTGGCCAGGAGATTGCTACTCGCCCTTTTCAACTTGTCAAGGAGGGTTTGGAAG
GAACTGCCCTTTGGAGGATGGAAGAGTGTGGACAGCGTGCCAAAGCTGGTTCTGAAATACATGGCAAGAAGATTAAANGGTGATGAGTTTGTGACTCA
CACTTTACCCCTTCGATTCTATCAATGAAGCATTTGAACTTATGCAATGCAGGGAAGAGTATTTCGACGCGCTTGAATTTAGCAAAAGAAAGAT

Q9924935.Seq

CNGCTCTTGTTCTTTTGCAGGATCCCATCGATTTCGAATTGTCGACCCCGCGTCCGAAAGTGGGATCGTCCCATTTGTTACCGTAGGGTTCTTA
 ATTTAACCACCAAGTTTATGAAAGAGCTGAAATGAACAAAGGGAAATGTCCTAATATTGACGACATAAACCTCTGCCCTGTTGTTAAACACTAAAG
 CTGTAGCAACCCAGGATCTGAGGGTCCATTGTACACTCCTATCTACACGCACATGTATCTCTACACAGACGGTACTTGCCCCGTAAAGTGC
 AGTGATAATAATGAAGTATGTTACAGTGTATATGAATAATGTGCCCCACCGTGGGCTGGGAGAGACTGGGCAGCCTTTCTGCCCAACAAGACACTGC
 TTCTCTTCCACAGCAGAAAGCCTTCTCTTTGCTATGTTACATTACCAATAGATATTCCTTTGTATTTTACACCTAACGCTGTAGCTGTGAAACTG
 ACCCCCAACCTTCTATTCCGGGCCCTCTGCTCCACTTCTGTCCTTCTCACACCAACAGAAAATGCCCTTAAAGTTGGGTCCGGATGATGGTGGGCT
 GGGATTGTGGCCCTCAAGGTATCTTGAGATATTGCTCTACCCCTGGGGCAAAAATAAGTGCCCTCGGCTCTTATTGGATTTATTACTTTT
 TAGNGCATAAACCTCAGTAATAAGCAATTAAACGTTAAAAAAGGGCGGGCGCAANGGCCCTCTCGAGCCCTCTAAACTAT

Q9924936.Seq

TCAAGCTCTTGTTCTTTTGCAGGATCCCTCGATTTCGAATTCGTTCGACCCCGCTCCGGGATAGCGGAGAGCGGCCCTTGGCAACACAGAAATGCAATT
 AGGTGAGACTGCGGGTTAGCTGGCACCCAGGGAGGAAGGAGCCCAAGTGGATGAAGCTGTCACTGTTGGGACATGGCTGTAAAGCAGATTAAAGATG
 GAGAAATACCCGCACTATCTACAGACTGATAAAGGAAGCCAGATATGGAGAAGCTATCCAGGTTCTTAGCAATGAACCTTCAGAAAGCAATATAGGTC
 TAGAGCTGGCCCTTTCCCTCCTGGCTACTGCTATTATCAGATCCCAAGATTTTGTGAATGCTGCAGACTGCTATGAACAGCTGATTCAGATCTCTCCT
 GAAGTGGAAAGAAATATAAATTGTACTATGCACAGTCCCTGTATAAAGGCTTGCAATGATCCAGAAGCAATGAAGGCAACGTTTGCTTTTAAACAACGCTG
 CCTATCAAAGCAAGATGTTGAAATTCAAGCTTCCGTCAAATATGGAGAAGAGACATTTTCAGGAGCTAAGAGTTTAGTAGAGCAGATGCCATCAGAA
 GACCTGAAAAGTGAGATTAAATATGGGNGGTTACTGTNTAAGGAAGGACATTATGAAGAAGCCCTGCCAAAAGTTTCATTACTGCAATGCAAGTCATGG
 GCTATAAACAAAGAAATTATCTTTCAACATTGCATTTGTGGTACTATACATGAACAAGATGCTCCTGCCTTAAACACATACACTGATTTTAAAN

Q9924937.Seq

GNTCTTGTTCCTTTTGCAGGATCCCTCGATTCCGAATTCGTGACCCACGCGTCCGGTTGCTGATTCGTGATGGCTTCCATCTTCTGCTCCGTTCCCTC
 AGGCTCCCCCGGTGGCTGTCTTCAAGCTTACTGCAGATTTCCGCGCCGACTCTGACGCCAGGAAGGTCAACCTTGGAGTGGAGCATATCGTACTGA
 TGAATCCAGCCATGGGTCCCTGCCAGTGGTGAAAAAGGTAGAGCAGATGATTGCAAAATGACAACTCTCTGAACCATGAAATATCTGCCAAATTTTGGGT
 CTGCCCTGAATTCGCTCTAGTGCTTCCAGAAATTCGCTTTGGGGGATGACAGTCCCTGCAATTTAAAGAGGATCGGGTAGGTGGTGCATCTTTCTTCTCCTTCATG
 GAACTGGAGCACTGGGCATTTGAGCAGAAATTTCTGAGGCGCTGGTACAAATGGAACAACAACACCGCTACTCCCATCTATAATTTCTTCTCCTTCATG
 GGAAACCAACAATGCTGTTTTCATGGATGCTGGAATTTAAGGACATCAGAGCTTATCGCTACTGGGATGCTGCTAAAGGGCCCTTGATCTCGAGGGA
 TTCCTGCAGGATTTAGAGAAATGCCCGAGTTCTCTATCTTTTGTGTCATGTCATGTGCGCACAAATCCCACTGGAACAGACCCCACTCCCCGATGAGT
 GGAGAAAGATACTGATGTGATGAAGAGANGGCTCTCTTTCCTTTTGACTCTGCCTACCAAGGATTTGCTCTTGGCACCTA

Q9924938.Seq

Page 1

102240-24601660

Q9924938. Seq

TCNNGNTTGGTAGTNCNTTTNGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGTCGCCCTCCGAAAGGGGACTTTTAGGGAACGTGTGA
GCCTTACTTTTGTGAATTTTAATTATGATTTTCTTTTGTGCGTTAAAGCTGGGAAGGGGATATGTACAGATTAAAGAAATGATGGCTGAG
AAAAATCCCTCTCCCCCCCCCACACCCGAAATGAAAATGAATTGGAGGTGACTGAACAATCTTCCCCGAGCTGCCCTTTTGTATTGTCCCATG
GACATTTAGTATATAATCGGATCAAATATGGCAACGTTTAAAAATCTTGGGGTGGGAGCGAGAGGTTTATATGTAANAACAACAAAAACATTCAGATT
GTGTTCTAGAGGCTGTACAGCATTACAAAGAGAAACATGCAATTCATTTTCTTTTAAATAGCATCTATTTTAAATGGGGGGGGGATCT
TTCTGCTCATATCCCCTTACCCTGAATTCAGTTTCTTGTCTGCTGATCGATGAGCTTGTCTTGTCTGGCAGCTGAGGGGTTAATTTAAC
TCTCTTCTATCCCAACTAACTTGATGCATANANCCGACCAATCATAGAAATTTCTGTTTTGCTACTTTTACAAATGGGACCAATTTTAAACCCCTCCTTN
ANATATCCAGTGAAGAAAAAGCNANATGGTATCATTTTGTGGGTTTTANAAAAANNITGAAAATTTTTTTTTTCTTNAATTAATTTTAAACCTATTAA

Q9924939.Seq

TNNAGCTTCTTGTCTTTTGCAGGATCCCATCGATTGAAATTCGTCCGACCCACGCGTCCGGGAAGATGGCACCACTTTTAAACCTGTCTGGGGCAT
 TTGGCAAGACAGAAAGTTGTCTAAACCTGGAACAAATCAAAACAAAAGTGTTCCTCCACCCAGCTGAAAAATTGAGCGAGGAGGAAAGAGAAAGCG
 TCGCACTGAAGCAAGAGGAGAAAGCAAGACGAGAGAAAGCAAGTGAAGTACAAACATCAAGAGATGTTGGATCACATTCAAAAAGCAGACGAAGTTCGACA
 TTTTCGATCCTTTGATGAAAAAGGCATTGAAGACATTTGACAAGTACAAACATCAAGAGATGTTGGATCACATTCAAAAAGCAGACGAAGTTCGACA
 AGCCTGTCAATGGAGTTTTCGATGAATGCAATGTTTAAAGTTTAAAGAAAACCTGCAGCACGCTAGGGCCCCAATCTTTATCGAATGAGGTGCAAAAGGC
 TTTGGAGAAAGATGTAATGGAAGGTGTAACCTCCAGATGATCACATGATGAAAGTAGAAAACCTGTGCACTGTAGTGTGAGTGTGTATGTCCCAGCA
 TTGCACAGCTCTGTGCAGTTGCACTTTAAATCTACAGACCACTCAAGAGCAAACTGGCTTATAAAGAAACAAATAAAAAGGGAAGTATTTTGTGACC
 GCTACAAGCATCTTGAACAACCCACTGGTAAAGCAAGATATGAGCTTTTATTTGAAGGGTGAAAAATCCATTTTGAGAAATCAGTCAGAAAGAGCAGCANC
 T

Q9924940.seq

Q9924940.1.seq

TTTGANNCCCGTTTGTATGNCNNTTTGGCAGGATCCCATCGATTCTGAANTCGTTCGACCCACCGCTCCGGCTAGTGTGCGGGCGGCGCTGTGAAATTTT
TAGCTTTTTCTAACCGTGTGCGTGAGCATGGAGTCCCGGCTTTTCCGCTGGCTGAGCCGAAAGTATCCGTCGATAGTCGTGCACTCTGTGGGA
GGAGAACCCCAAGAATGCAATAACATCAAAATTCCTGTGGACACCATAAACCAATCCAAATGAAGTGGAAATTTGATAAACCTTTATTTGGATATG
AATGGCATTTATCCATCCGTGTACCCACCCAGAGGACAAAGCCAGCACCAAAAAATGAAGATGAATGATGGTTGCTATTTTGAATACATTTGATAGAC
TCTTTAACATTGTGAGACCTAGAAGACTCCTTTACATGGCCATTGATGGAGTGGCCCCGGTGTCTAAAAATGAATCAACAACGCTCTCGTAGGTTTAG
AGCATCCAAAGAAAGGTGTTGAATCTACAGAAGAGAAGAAATCGTATACGTGAAGAGGTCTATCCAAAGGTGGCTATCTCCCCCAAGAACAAAGCAAAAG
GAGCGATTTGATAGTAACTGCATTACTCCCTGGAAACAGAGTTNTGGACAACTTGGCAAAATGTCTTCNATATTAATATTGCTGACCCGTTTAAATAAT
GATCCTGGATGGAAAAACCTCACGGTTATTATTCAGATGCTAGNGTTCCCTGGCGAAAGGTNAACATTAAAAATTTATGGATTACNTCAGAAAGCAAAAN
AGCTCN

Q9924941.Seq

TGNAATCNAGTNCTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGACCCACGCGTCCGTCCAAGGATCGGAAGGCCAAATGCTCACTTCA
TACTGAAGTTATTATGCGATAGCATCGTTCTGCAGCCTTACCTACGTGATCTCCTGTCTGCCAAGGATGCAAGAGGTATGACTCCCTTCAATGTCCTGC
TGTTAGTGGAAGAGCCTATCCAGCTGCAATTACCATCTGGAACTGCACAGAAAATCGCAAAAGCTGAAGCAAATTCAAAGTGAGAAAGAGGAGGAT
ATTTCAAGGGAATGGTATGTCCACCTGGTACCAATGCAGACGACTCTCCTCTATATGTACTTTGTCTGCAATGATACCTGCAGTTTTTACATGGACAG
GAGCTGAGCATATCAATCAGGACATATTTGAATGTCGAACATGTGGCTTGTGGGATCCCTGTGCTGTGTACCGAGTGTGCAAGAGTCTGCCACAA
AGCCCATGACTGCAAAATTGAAAAGAACATCACCTACTGCTTACTGCGACTGTGGAGAAATGCAAAATGCAAAACATTAATTGCCGGGCAAAAGTCT
GCACGACTTGATCTGCTCTATCGACTGCTGACCATCACTAACTTGTACAAATGCCAAATAGCAGGGGAGAGCACCTACTTCTTTTCTTAGTTTCAGA
CTGTAGCCAGACAGACAGTGGAGCACTGCCAGTACCGACCTCCAAGGATTCGAGAAGATCGCAATCGAAAGGCAGCTACCCCTGAAGATTNCGACATG
N

Q9924942.seq

Page 1

Q9924943.seq

Page 1

Q9924944.Seq

CAAGCTCTTGTTCCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGCGAGATGGCTCAAAATGCAGTCCGTCTCCATTATGGAC
 TTCCAGTGGTGAAGCTCTTGCACCTCCCTTCACATTTTGGCTCGTGATGTCCACAACCGGATTGTAATCAGAGGTCTTAACACCATTCATTAT
 TTGTGCAGTTGCTGTACTCTCCTATTGAAAATATCCAAAGAGTGGCAGCGGTGCTTTGTGAGCTGGCACAAGACAAAGAGGAGCTGAGGCTAT
 TGAAGCTGAAGGTGCAACTGCTCCTCTTA CTGAACTGCTTCACTCTAGAAATGAAGGTGTTGCAACTTATGCAGCTGCTGTTCTCTTCCGTATGTCT
 GAGGACAAACCGCAGGACTACAAAGAAACGTCTGTCCGTTGAGTTGACAAGCTCTCTCTTCAGAACTGAGCCAAATGCCATGGAATGAGGTGCAGACC
 TTGGTCTTGATATTGGTGCCCAAGGTGAAGCTCTTGGCTACAGACAGGATGATCCAGGCTACAGATCTTTCCATGCTCCTGGCTATGGTCAAGATGC
 AATGGGCATGGACTCCATGATGGATGACATGGGAGGCATCACCCANGAGCAGACTATCCAGTTGATGGACTTCCCTGATTTTGAGTCATGCCCAAG
 ATCTCATGGATGGGCTTCCTNCANGTGATAGCAACCAACTGGNCTGGGTTGACACTGACTTGGTAATATCTTTTTTGGTATCGTCCCGAN

1990-1991

Q9924945.seq

TNNAGCTCTTGTTCTTTTTCGAGGATCCCATCGATTTCGAATTCGTGACCCCGTCGCGAGAACAAATTAACAACAAAGGGAGGAGGTAGCGCTGC
ACGGTTCCTGGGTGAGCTNCAAAATGAACGGCANCGGGAACAATAATTGACAGCAACCGAAACGGAGGCTTGGAAACACGTTCCCTTNC'TTCTCCAT
CCACAAATGGAGACATGGAGAAGATCCTGTTGGACGCTCANCATGAATCTGGCCANAGAGTTCAGAAAGCAGCTCTCAGTGTGACAGCCCATCCCC
GAAGGTGGACAGATCACATTTGATGTGGAGATGCACAAGTAAAGACAGCTCCANTCTGAAGAGGAAGCCCANAGGTAGAGAAGGAAGTTGATG
CTTTAAAGAAAAGNGCTGACTGGGTATNTGACTGGTCAANTAGGCTTGAATAATCCCCCAAGAGGATTTCAATTTCCACCACTTAAAGGTCTGT
GTNTTTGANCATGANCAAGACTGGTGCTATTAAGAAAAGNGGTGTCTTCTCTGCGNGAATTTCTTGAAAGGCTTCATCCCTTCTGTTCATCTCCCAT
GTTCTGGCTCTGGGATTTGCAATTTGGTAAAGACTGACCCCTGCTTTTTTGCCAGNTCCTATTGAANGGCGCATGATTCNGAAATTGACCTNNG
CCCGNGTNAAGGGNGTTCCTGTGCACATTTTGTGCAATTTGCAACCATGTTNAAGCATGATTCAAAGCACCCCTGTCTTNGNACCCATNTNTT

Q9924946.Seq

CNAGCTCTTGTTCTTTTGCAGGATCCCATCGATTGGAATTGTCGACCCACGCGTCCGAGCCCCCTCCCACCTAGCTCTCACACTCTCCCCCTCCCCTC
TCTCAGTGCAATGATGGGCGGATCGGGTCGGAAGCAGCATGGCGCCTCACTGCCCCGGACGCGAGTTACCAAGTAAACAACAATGCAGTATACGAGACA
TACTTCCATCAGTTGGAATCTGGAAGCTCTGCTAAAGTTTATCTTCAGATGCTGCTTTTCTTGAAGAGTTCGGGCCCTAGCTGACCTGGTGCTCG
GGAAGATTTGGGATTTGGCAGATACAGATAGCAAGGCTATTAAATAAACAGGAGTTTGTAGCTCTGCAGCTGGTGGCATGTGCACAGAAATGG
AATGGAAGTCTCCCTTAAAGCTGTGGTTCCCCCTCCCAGATTTCATGATGCTGGAAGCCCCACCTTGGTTGGAACCTGCATTAACTACA
GACCTACCATGGGCTGTCAAGCCAGACGAAAGGCCAAATACAAATGTCAATTTTGACAGTTTAAACCCAGTGAATGGATTCTGTCCGGTGATAAAG
TTAAACCCGTGTGCTTAAATCAAAGCTTTCTGTGGATATTCTAGGAAGAGTTGGGAGTTAAGTGATATCGACCACGATGGTTTATTATAGACAGAAGA
TGAGTTTGCTGGTGCAATGTTTCTTGNATACTCTGCTCTTGAGAGAGAGACCAGTTCCCTATGTCAATTACCTNCTACTCTCTGGTACC

Q9924946.Seq

CNAGCTCTTGTTCTTTTGCAGGATCCCATCGATTGGAATTCGTGACCCACGCGTCCGAGCCCTCCCACTAGCTCTCACACTCTCCCCTCCCCCTC
TCTCAGTGCAATGATGGCGGATCGGTGGAAGCAGCATGGCGGCTCACTGCCCCGGACGAGTTACCAAGTAACAACAATGCAGTATACGAGACA
TACTTCCATCAGTTGGAATCTGGAAGCTCTGCTAAAGTTTATCTTCAGATGCTGCTTTTTTCTTGAAGAGTTCGGGCTTAGCTGACCTGGTGTCTCG
GGAAGATTGGGATTGGCAGATACAGATAGCAAGGCTATTAAATAAACAGGAGTTTTTGTAGCTCTGCAGCTGGTGGCATGTGCACAGAAATGG
AATGGAAGTCTCCCTTAATAGTCTTAAAGCTGTGGTTCCCCCTCCAGATTTCATGATGCTGGAAGCCACCCCTTGGTTGGAACCTGCAATTAACTACA
GACCTACCATGGCTGTCAAGCCAGACGAAAGGCCAAATACAATGTCAATTTGACAGTTTAAACCCAGTGAATGGATTCTGTCCGGTGATAAAG
TTAAACCCGTTGCTTAAATTCAAAGCTTTCTGTGGATATTCTAGGAAGAGTTGGGAGTTAAGTGATATCGACCCACGATGGTTTATTAGACAGAAAGA
TGAGTTTGCTGGTGCAATGTTTTCTTTGNATACTCTGCTCTTGAGAGAGACCAGTTCCCTATGTCAATTACCTNCTACTCTGTGTACC

Q9924947.Seq

TCNNGNTTGTGNNCTTTTGCAGGATCCCTCGATTGGAATTTCGTCCGACCCCGGTCGGGTATTATTTTTTAAGGTTCCGTCAACAGTGATTGA
ACGGAACGTGACCATGAATCCAGATCCGACAGAACTTCCACGAGGTGCGAGGCTGCCATTAAATCGTCAGGTTAACATGGAGCTGTATGCCCCTCGT
ATGTGTACTTGTCCATGTCTATTACTTTGATCGTGATGACGTGGCACTGAAAAAATTCGCAAAATACTTCTACACCCAGTCCCACGAAACGTGA
GCATGCAGAGAAACTGATGAAATGACAGAACCCAGCGTGGGGGGGGCTATTCTTCGAGGACATAAAGAAACCCAGAACGTTGATGATGGGCAAAATGGT
CTGGAAGCCTTGGAGTGTCTCTTCAGTTGGAGAAGAAATGTTAATCAGTCTCTTCTGGAGCTACACAAGCTTTCCCACTGATCACAATGATCCCCCAT
TGTGCCGACTTTCTGGAGAGCCATTACCTTGACGAACAAGTGAAGTCTATGAAGGAGCTTGGAGATCATATTACCAACCTGCGCCGGATGGGGGCTCC
CAGTAAATGGATTGGCTGAATACCTGTTTGACAAACACACATTAGGGAGGACCATGAGTGAATCTCTCTCTCTTTTCTGCTTTCTTTATGTTCCAGCG
TCCCCCTGTAGTTAACATATATCTAGTTATTGTTGTTTCGCTGCTTTTTTTTTTGACATCAATAAACTGAATTTAAAAACAAAAAT

Q9924948.Seq

TNCCGNTNCTTGTTCTTTTGCAGGATCCCTCGATTTCGAATTTCGTCCGACCCACGCGTCCGGGTGGAGATGGATGGAAGTGAAACATCACAGTTCT
 GGGCTGAATGACTTCTTACTGAGAAGCAGTGTGTCTTCTGGATCACGATCAATGGATGTGATCATTTACTTAATTAATGACGAGGTGATACAACTTA
 CAGTAGATGGGCTTTCAGTCAATCACCGCACATGAATACAAAGTCCATACCGAGGCTCTGCAACTACCCGAAACTGCTCAGGATGTCTTTGCTTT
 ATGGCTCATCTCACCTCTCCTGGAGGTGCAATTAAACCAAGCATCAGCCATACAAAGTTTGCAGACAGTGGCATGATCTCTTGGCTCGCTTCACA
 AACTGTTCTTCCAATGACATCTCCAAGATGAACCATATCTGCAGTTCCGAGAAATATATTCTTACCGAAAGCTCGGAACTTTCAGATTCTCATG
 AACGTATCTTGTATCTTCTACGAGGAAGCAAAATACAATGTCCCTGGAAGGAGGTACCCATGTGATGTAGAGACTGCGAGGTGTTGGGTGGCCT
 GCCGTGAGGCTAGAGTTGGGGCCATACAATCAAGATGAACACACCCCTGCTACTATAAGACCCAAAGCTAGATACCTTGTTCCTCCGTCCGTATCTATGC
 AAGAAGAGGAATGGAGGCTTGTACCACTTTTCAAAAACAGGGGGAGGGCCAGGCAAGTTTGTAGCAGACTGNGCTTGAATACN

Q9924949. Seq

TNCAGTTTGNLTGTCCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGGTTGGTTTCTAGGTTGGTCGGGTGAGATAGCCTTNT
 GTCGAAGTTTAAATCACCCCTCAAGGGAACCCGGAAGGTTGGAGAAACCTGCATTTTCGAAATGACCCGGGAAGTTAGAACAAACACGATCCT
 GGGACTGTGGAAACTCCGCCGACTCGGCTTTCGCCCTTGAAGCTCACCGCATAGTGAGTATTTTCGCTGGGAAAGATCTACCAATTCCTCGTGTGCAGC
 GCGGCGGCATCAAACTGCATAAGAACCTGATGGTGTCCCTGGTACTGCGCAGCGCCAGCAGGTCTATCTGAGCCAAAGTCCGGAAGAGTTACAGCA
 GGAGTATTACCTGAGGCAGGCGGAGCTCCATAATCCCGGCCACAGGACTGCAAGGAACCCGAGCCATGTCCCCTCACCGGAGAGACTCAGTGCCCCC
 CCTACTGAGCAGACAAGACGCCCGGACATGTTCTGCCCAACTGCGAGTCGCTCTTGTAACCCCAACGACACAGAGAACCCCTCGGGGGGTGCCGTGT
 TGCCAGGGACATGTGACCGGAAGCTGCCGGTCCCATCGGCCTCCTGCAATGAACCATGATCTCTGNCCCAACCAAGAGCAGAGCCCAAGCCAGAT
 TCCCCCAGTAGCTGTGTCGGAAGANAAACGGAGGGACCCCGGATNGGCCCGCCATGAANCGAGCAAAAGANGGAGCAAGGN

Q9924950.seq

Page 1

Q9924950.Seq

TNCCGNTNCTTGTCTTTTTCAGGATCCCTCGATTCCGAATTCGTCGACCCCGCGTCCGGAGGGGGCTCCTACAAAGCAGCCACCATGTGAAATCT
 ACTTATGCTTCGGAGAGGAGTGGCCAGATGACAAATCCAGAGAAAGAAAGCTCATCATTTGTTCAGATAATACCAGTTGTAGCACGTATGATACTTGA
 GATGTTTAGTGGGACAGCACCCGTTCCCTTTGACAGTGGAAAGCATCCGTCTGCAAACTCTGTCTCCCTGACATCAAAAGACAAACATTGTTGCTCACCTG
 AAACAACCTGTATCGCCTTCTTCANAACCAAGGCCAGATGCTTGGCTCTCATGCAGCCCCCAAAACATGCACCTGGCTGAGACACTTCAAAACCC
 AGTGAGGACTGGTTCCTCACAAAACCTTTGTCTTTTAAAGCAGCAAAAACCTACTGCCCCCTGCTGGGGACCTTTTACTATATTAGAGTGTAGACGA
 AGGACCCCCCAGTAATATGGAAGCTTTAATGCATTAAACATCCTAGGTCCAATCAATTGTATACCCCTTGACACATATCGGACATGCTGTTTTAGAAAG
 TCATTGTAGCTTTAAAGCAGGGAATATTACTGGTTCACANGGGAGCCTGCAGCTGCCCATTTGTGAATTTACAGGTTAGAATGGGACACCTGGG
 ACAGAAAAGCAAGACACAGCCCTGTTTGAAAAACAGACAAGTGGATTTTATTTCATTTTTGTCACTACACATACAGGTTAGCATGGG

Q9924951.seq

Page 1

Q9924952.Seq

TGAATCCNGTTTNTTGTNCTTTTTCAGGATCCATCGATTTCGAATTCGACCCACCGGTCCGCCCGGTGTTCCAGGACCTCATGGCCACCAGGT
 CCTTCTGGACCTGGTGCTCCCATGGTGCTTACAAATCAACCGCTTACAAATCCTGGCCCTCCAGGACCTACACACATGGACCCCTGCTCCATATA
 CTCCTCAAGGATGGGCAACACTTATCCACACTGGCAACAAACCCCAACAGCCAGACCCCAAGTAAGCAGCTACAGACCCGAAATTCGAGCATGGGC
 AGCTTATTACGCACACTATTATCAACAGCAAGCACCCCAACCCCTGCAAGTCCAAATGCTGCACCAACTACAAACACAACTAAATGGGCAAGCTGAA
 CCTCCAGCTGCTGCACCCCGGCGGCAAGTGGAATACAAAGGCTTGGGAGGAGTATTACAAAGAAATAGGTACGCAAGGCCCAACAAGATT
 ATACAAAAGAAATGAGAAAAAAGGCGGCCGCAAGGCTCTCGAGCCNTAGAACTATAGTGAGTCGTATTACGTAGATCCAGACATG
 ATAAGATACATTGATGAGTTTGGACAAACCAACTAGAAATGCCTTATTTGTGAAATTTNGATGCTATTGCTTTATTGTAC
 CATTATAAGCTGCAAAATAAACAAAGTTAAACAACAAATTGCATTATTATTGTTTAAAGTTCANGGGGANGTGTGGGANGGTTTTTAAATN

Q9924953.Seq

TCNNGTTTNTGTCCCTTTTGCAGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGACAGAGCGTTTGTGTAAGGCCATTGGGAAATCCTATC
 ACCCTCGTGTTCACCTTGTCCTCCAGGGCGAACCTTTCATTGTGACGACAAACAACTGCCGCACTGTGTGAACGACTA
 TCACCGCGGATACGCCGCCCGCTGTTGTGTTGTGAGACCCCATTTGCCCGAGAACCCCGGGGACGAGACAGTGAGGTGGTGGCGCTGGAGAAG
 AACTTCCATATGATGTGCTACAAGTGTGAGGACTGCGGTTGCCCTCTCCATTGAGCGGATGATGCCGGCTGCTTCCCTTTGGACGGCCATGTTT
 TGTGCAAGAAGTGCCACACTGTTTCGTGCCCGCGCTGCCCTGGGATGACCCCACTTCCCTAGTTCTGGCTACAGAAATCCAGCAATCATCAGTCTGT
 GGCCCTCAAGACTCTGGGACCCCTTCTGACACTCCGGCGGCTTGTGCTGCTTNTACGTAGTCCAGCCATTAGCCACTTTCAGCTTCAGTGGCAGATCCT
 GGTGGCAGCTGCTGGTTTGTGCTAGTACATTGATTATGTGGCAGTTAGCTGGGAAGCTCATCTCAATTGCTTGCACTCTCTTGGCTTCATCTAT
 GCACGCCACTATTACAGGGCACCCCA CANGGCAGTTCTTTTATGTTGGAAGGGGGGACTTGGTTGTGAANGGTNCAACA

Q9924954.Seq

TCCNGTTC'N'GCCCTTTTTCAGGATCCCTCGATTTCGAATTCGATACCCACCGCTCCGATAAGATATCGTTGGCAAGGAGAGAAACAAAAG
 CAAATGTATGACATGGTTGTTAAATTTAAGATGTCTTAAAGTCAATGAGGCTTGTCAAGAAAATAAAGGTTTGGAGCCATATACACCAATCC
 CTCATGTGCGTGATTCTTTAATACTGCCTCAAGACAGGAAGAAAATGAAGAAAGTTTGGACCCGGCAGTGAATTTCTGGATGCCAATGAATCTAG
 AGTACGCACAGAAACTCAGAAAATAGGTGGAGCAGACTTCCAGGTGTGGAATGGATTTCAGCCATCTTCAACATGTGATAAAAATTTTCAGTCATGCCT
 TCTAAAGTTTGGCAAGGACAAGCTTTTTCATTGGAATAGAAAGAAATTTCTCCTCCAAATAGTCTGACTCCCTGTTTAAAAATFACGTAACATGTTTGATC
 CAGTTATGGAAATTGGAGATCATTTGGGACTTGGCAATTCAAGAAGCAATATTAGAGAAATGTAGTGAATAAGGGGATTTTTCACATTTGCTGTTGA
 TAAGAATTCACGTGAGGGTTGCGTATATGTGAAATGTTTATCTCCAGAAATTTGCAGGAAAGGCATTTAAAGCTCTGCACGGCTCATGGTTTGATGGA
 AAGCTGGTGACTGTGAATACCTGCGATTAGATCGATATCATCGCTTNCCTCANGCCCTTACATGCAGCACTCCTTTAAAAGC

Q9924955.Seq

TCNNGNTTNTTGTTCCTTTTGCAGGATCCCTCGATTCCGAATTCGTCCGACCCACCGCTCCGAGTGGAAGTGAGGAATTGCCGTCGGTCCGGAGTCACGA
CGCTAGGCTGTAGCCGCGCTGTGGGCTTTTACAAAGCGATCAAGGACTACAAATTAGTGTTTAAAAAAAATCGCACTGTTGGGCGTGTAAAAACAAG
GCTGTCGAAATGTCGTACATGCTTCCACATCTGCACAAATGGCTGGCAGGTCGACCCAGGCAATCTTGTCTGAGGAAGACAGAGTTTGGTAATACGTT
TTGGCCATGACTGGGATCCAACCTGTATGAAGATGGATGAAGTTTGTATAGTATTGCTGAAAAGGTAAAAACTTTGCTGTCAATTATCTTTGTGGA
TATCACAGAAGTTCCAGACTTCAACAAGATGTATGAGTTGTATGACCCCTTGTAAGTGTATTTCTTCAGGAACAAGCACATCATGATTGATTG
GGCACTGGAAACAACAACAAGATAAATGGACAATGGAAAGACAAGCAAGAAATGATTGATATTGTAGAAAACAGTTTACAGGGGAGCGCGTAAAGGTA
GAGGCTGGTGGTATCTCCAAAGGACTATTCCACCAGTACAGATACTGATGTTTGTACAATGTTACAAGAGTGTGGGATTTTATTATTTTGTGA
AATCCTTTGTGAGTAGTATATTATATAAACCTGAGCAGTTCAATTGCTACTTCANGCTGNGTTTGGTTTATTATTAGTCTTTT

[illegible]

Q9924956. Seq

TTGATGACCCGTTTGATTGNCCCTTTTTCAGGATCCCATCGATTCGAATTCGTGACCCACCGCTCCCGGGCGGTCCGATCGGGGACCGCATCAA
 CTAA CAGATG CAGCAATCCGACGGGATTTTATGTCCTATCCGATCGAGATCTGGACGACTTTCGGCAGATCTCGATCGGGGAAGCCCTTCGGA
 GGGCCCATACACGGGCCAATAAGTCCGACTCGGCAGCTTTTATCGGCCCTGTGATGGCCACCTTAAAGGAAGGTGTGCCCCCAAGCGGTGTA
 GGTCCTATTGAAGGATAC TGAGTGAAACAGCTCGTGTGTGGGCCCTGCTTCATGTGGTGAACCATGTCAATGGTGATATGCTTTTGTGGTAGTG
 TGTGCCATTGGGTAAATCGTAAATGAAAAATTGCCGTTTGAAGATGGGAGCCGCCCTTGGGATCTGTGGATTCCGTGTGCACACATGCAGACCCAC
 ATGTGGGTCACGTGAGCCAATTGGCAGACGGGTTCTGCCCTTTTGCTTCCTCACTTCTTCCTGTTCAGTTGGTGTGTGTGGTGTTCCTGGTCCGGG
 TGGTCTCTGGGGCANCNCAATGGAGTCGCGAGGTGGTGTTCAGGGCAAGAGATGTAGGGGGCNATA TTATGTAAATGTATATTACAGTTTGGT
 AGGATTCTTTGATGTGTCAATCAA TTTTGATATAAACTATCTGTGCTTAAGTATTCATTTTGGGGGTATTAGTTTTCCTTTAAANGGGCANAAT

Q9924957.Seq

CTAGTTGCTGCTCTCTGCTTAAACAACCGTATTTCGTGCTCCAA CAACCGACCCCTGCTCTAGATGATCATTTGGCATCTCTGGAAGAACTGGCATA
 AAAAGTCCCTATCTACCCAAAGAAGGCTGGAGGAGAGTGTATGGGAGAGAACTTGAGAACAAATCGAATTTACAACCTTGATCACCTCTCTTGG
 AAAACATTTCTTACAGACTGGGAATGAATCAATTTGGTGACATGACAAATGAGGAGTTTCGACAGCTGATGAATGGCTACAAAACCCAAAAGATGATA
 AAAGGCTCAACTTTCTTGGCCCCCAATAACTTTGAAGCACCAAGACAGTGGA CTGGCTGAAAAAGGCTATGTAAACCCAGTTTAAAGACCCAGGGGC
 AATGTGGTTTCATGTGGGCATTCAGTACAAACAGGTGCACTTGAAGGTCAGCACTACAGGAAGGCTGGTAAATTGATTTCTTAAGTGAGCAAAATCT
 TGTGACTGCTCCAGAGCTCAAGGAAACCCAGGATGCAATGGTGGCCTTATGGATCAAGCTTCCAGTATGTCAAGGATAATGGAGGCATCGATTCT
 GAAGACTCGTACCCATACACTGCTAAGGATGACCAGGAAATGTCACTATGATCCAAACTACAATTCANCAAAACGACACTGGTTTTTGTG

Q9924958.seq

[illegible]

Q9924959.Seq

CNGNTNCTTGTNCTTTTGCAGGATCCCATCGATTTCGAATTTCGTGACCCCCGGTCCGCATAAACCCAGGGTGCTGCACTGCACTGAACCTATTCTTCT
 GTGCAGTATGCATCCTTATTCTCTTTATGGATATAAAATGGCTATAGGTAAACAGTTCAGGCCACATATTCTAACTTAACTCTCACTTTGCTATA
 TTTCACAATTCTATTAGTGTAGTTTAAACCCCTGCATTTATTATTTTAACTCCCCCAAGCAATTATTATCTGTACTGGACTCTTTCT
 TGATCCACCACCCAGTGTAATGGTATATCCAGTAGTGTGAATGCTGGAAGCACATTGCAGTTTGGGGCTGTAAAGACAAAGAAATTTGGCCAAA
 ACGATAATGGGATTGGTGGGGGGGGCTGAGATTAAATATAGTCCAGAGGTTCACTACACTGACCTCATTTCTTTATAAAGGCCTCCACCAAGTTA
 GCATTTAAATATATATCAATTTATATACATGGTCTGCAGTATTCTCTGTTAATTACAGTCCCTAACCTATTACAGTTTATTATAAATTTACTGNGANGGT
 AAAAACCCAGCCCTTGAAAGAAATAACACCAGTTTAGTATTACTGAATTTTCGTGGTTTGAATGTTCTGGGCTCTAATCCTCCACTTTTACTAGTCA
 TACTGGCACTGCCTATACTGGCCAGTGTCTAGGCATACCTGTTCCGNCATGAATTTACTTAATGTAAATGTGTG

Q9924960.seq

Page 1

Q9924961.Seq

TTTGAAATCCCGTTTGNLTGTCCTTAAGCACGATCCCCTCGAATTCGAATTCGACCCCGCGTCCGAAATTTTGTGTTGGAAGTGGCGTCAGTGGA
GGAGAGGATGGGGACNATATGGCCCCCTCCCTCATGCTGGAGGAGACAAACAAGCCCTGGCCCCCATATCAAAAACATTTTCCAGAGTATTGCTGCTA
AGGTGGACAATGAACCATGCTGTGATTGGTTGGTGAAGAAGGAGCTGGACATTTGTAAAAATGGTACACAATGGCAATGGAATATGGAGATATGCA
GCTGATATGTGAAGCCCTACCACTTAATGAAAAGATATTTTGGGAATTGACCAAGATGAGATGGCCAAGACTTTTGAAGAGTGGAAACAAAACAGAAATTG
GACTCCCTTCTTAAATTGAATCACAGCTGAAATTTTGAAGTTCAGAGATACAGATGGCAAAACACCTGCTCCCAAGATACAGGACACACAGCTGGACAGA
AAGGAACAGGAAAAATGGACAGCTATTTCTGCTCTTGAATTTGGCGTACCTGTAAACACTTATAGGTGAAGCAGTGTGTCACGGTGTCTCTCATCCCT
TAAGACCGAACGTTAGAGGCAAGCAAAACAGTTGAAGGACCAAAAGTAAATACCTTTTATGGTGACAAAAGGCTTTNTTGGAGGATATTCGCAAA
GCACTTATGCTTCAAAGATATTTCCCTATGCCGCAAGGTTTCATTTTGTTCCTCAAGCCAGCCCAAGGAATTTTGTGTTGGAAGCTGAATT

TC240 Eth0460

Q9924962.Seq

CCNTTTTGAAATACNAGCTACTTGTCTTTTTTCAGGATCCCATCGATTTCGAATTCGTCGACCCACGCGTCCGGGACGTTTAAACACGCGATCCGGG
ACTGCGGGCTGTGTGAGAAAATCTGGACTGTCCCGCGCAAAGCGGACTGCTGGGCGGAAATATTTCTGGAGGGTAACCATTAGGAGTGCAAAACCC
AGTTGTACCTTAATTGTTTCAGTCCCTGGAGGAGGGCAGTGCCCTCCTAGAGCTCCAGATCTCGAGGAGCAGCTAAAGTCTGGGTCACTCTGTCC
ACAGTGCCCAACACCTTGTTAATTTCTCCGGACCGCCCTTCTTATATACCGGTGTCAATGGATGAACCTCCATAGCTTGGACCCCAAGGCGCAGGAAT
TGTTGGAGGCAAGATTTACAGGGGAGTAAGTGGCAGCACTGGCAGCACAGGGAGCTGCAGTGTGGAGCAAAAGCATCAAAACAATGAAAGCTCAAA
CCACAGTTTGGAGTCTAGGTTCTTTAAGTGATAAAGAGTCAAGACTCCAGAGAAAAGCAGCCAGACTCATCAAGAGGAAGAAAGAGGAAGGCA
GAAAACCAAGAGTGAAAGCAGTCAAGGAAAAAATAGCGGTGGACGTGGCCATAAAATTAGTGATTATTTTGATTATCAAGCTGGAAACGGTTCCAGTC
CTGTAAAGAGCCTGCCTCCCTCAATCCGGTCTCCTCAGAACTACACTCACATTCCTCACTCCCTTCATCCTCTGCTCAACAGAAACACCCCTTNCCTT
GG

W

Q9924963.seq

TNCCGCTACTTGTCTTTTGCAGGATCCATCGATTCGAATTCGTGACCCACGCGTCCGGACGGCCGGCTGAAGGAAATTAAGAGAAACAATTTGAAG
GAGCTCACAAACAGTATGAGAAAGTCAGAGAATGATCTTAAAGCACTGCAGAGTGTGGGCAGATTGTTGGGAAAGTTCTGAAGCAGCTAACTGAAG
AAAAATTCATTGTTAAAGCAACAATGGCCAAAGATATGTCGTTGGTTGTCGTGGCAGCTTGATAAAAGTAAACTGAAGCCCTGGAAACAAGAGTTGC
ACTTGATATGACTACTCTGACTATAATGCGTTATTTACACGAGAAAGTGATCCCTTGTGTACAACATGTCTCATGAGGACCCCTGGAGATGTTTTCT
TACTCTGAAATAGGTGGACTTTTCAGAA CAGATCCGAGAACTCCGAGAGGTTATTGAGCTGCCACTTACAAACCCTGAAATTGTTTTCAGCGTGTAGGTA
TTATACTCCAAAGGGCTGTCTTCTTATGCCCCACGAGTACTGGAAAAACTCTTCTTTCGAGAGCTGTTGCCAGCCAACTGGATTGCAATTTCTT
AAAGGTTGTCTAGTTCAATTGTAGACAAATACATTGGGGAAAGTCAAGACTCATTCGTGAAATGTTTAAATTATGCCAGGGACCAACCAGCCATGT
ATAATTTTATGGA TGAAATTGATGCCATTGGTGGCGCGCGTTTCTGAGGGGACCTCANCCTGACCGAGAAATTCAGAGAACTT

Q9924964 . Seq

TGGANNCCNNTGANTCCNNTTCTTGTTCCTTTTGCAGGATCCCTCGAATTCGAATTCGTCGACCCCGCGTCCGGGATTTGGCTCACTGTGTGTCTA
 TTTGTGTTTAGTGATGTTACTTGGTTTCAGAAAAAATGTCTATCGAAATTGAGTCGTCTGATGTCTATCCGGCTTATCATGCAGTACCTAAAAGAAA
 ATAGTTTGCACCGTACTTTAGCAACATTTCAAGCAATTCAGTCACTGAACTGCCAGACAAAGACACTCATCGACCTCTATGAAACAGGTTGTATTAGAACTAATT
 TGGTCATTGGGATACAGTGTCTTCAAGCAATTCAGTCACTGAACTGCCAGACAAAGACACTCATCGACCTCTATGAAACAGGTTGTATTAGAACTAATT
 GAACTTCGTGAGCTGGGAGCCCGCAGATCCCTTCTGAGGCAACAGACCCCAATGATAATGTTAAACACAGAACCAATCAGAAAGATATATTCACTCTTG
 AGAACTTACTGGCCAGATCATATTTTGACCCACGAGAGGCATACCCAGATGGCAGCAGCAAAAGAAAAAGCGCAACAGCAATAGCTCAGGCATTGGC
 TGGGGAAGTGAGTGTGTACCTCCATCACGTCCTCATGGCACTGCTTGGTCAGGCATTAAAAATGGCAGCAGCATCAGGTCCTTCTGCCTCCAGGTATG
 ACCATTGATTTGTTTCAGAGGTAAAGCTGCTGTGAAAGACGTANAGGAAGAGAAAGTTCCCTACACAACTTAGTAGGCATATTAAAGTTTGGACAGAAAT
 CNT

Q9924964.Seq

TGGANCCCNNTGANTCCNNTTCTTGTTCCTTTTGCAGGATCCCTCGATTGAAATTCGTGACCCCGCGTCCGGGATTGGCTCACTGTGTCTTA
 TTTGTGTTTAGTGATGTTACTTGGTTTCAGAAAAAATGTCTATCGAAATTGAGTCGTCGTGATGTCATCCGGCTTATCATGCAGTACCTAAAAGAAA
 ATAGTTGCAACCGTACTTTAGCAACATTTAGCAAGAGAGACCACTGTGTCCTTAAACACTGTGGATAGTATTGAGAGCTTTGTGGCTGACATCAATAG
 TGGTCATTGGGATACAGTGTCTTCAAGCAATTCAAGCTGCCAGACAAGACACTCATCGACCTCTATGAACAGGTTGTATTAGAACTAATT
 GAACTTCGTGAGCTGGGAGCCGCGAGATCCCTTCTGAGGCCAAACAGACCCCAATGATAATGTTAAAAACAGAACCAATCAGAAAAGATATATTCACTTTG
 AGAACTTACTGGCCAGATCATATTTTGACCCACGAGAGGCATACCCAGATGGCAGCAGCAAGAAAAAGGCGAACAGCAATAGCTCAGGCCATTGGC
 TGGGGAAGTGAGTGTGTACCTCCATCACGTCTCATGGCACTGCTTGGTCAGGCATTAAAAATGGCAGCAGCATCAGGCTCTTCTGCTCCAGGTATG
 ACCATTGATTGTTTCAGAGGTAAAGCTGTGTGAAAGACGTANAGGAAGAGAAAGTTCCCTACACAACCTTAGTAGGCATATTAAAGTTTGGACAGAAAT
 CNT

Q9924965. Seq

TTTGANTNCCCTTTGATTNCCGTTACTTGTCTCTTTTGCAGGATCCCATCGATTTCGAATTCGTCGACCCACGCGTCCGCTTAATAGCATGCTGTGC
TATGAACTCTGTGATTTGTTTTGGCAGGATTATAAGTGGAGGAACAGGAGCCAAACACTGGATATCTCTCGCACACATAAAGTGACAAGAGCAC
TGTGGGACATTTTAAACATCTAATCGGTTGGAGCGCCATGTACAGCAGAGGAGGAGGTCCGTCCAGTTTGTGCGGGACACGTCCTCCACCTGCAGG
CAGAAAGCGTGGATATGGAGGAAGATTCTATAATGCCGACTCAGTCCTTATCACAGGTTCAAGAAACCTTCAGAAATCATTCACAGGAACAAGTTAA
CCTGAAGGTGGTGAAGTGGTACAGTACCTGTTGATAAAAGATCAGAAAGCTCCCTATAAAGCGGGCAGATATTGTGAGAACGCGTGATTAAAGGAA
TACAAGGACATTTACCCAGAAATCATTCACCGTGGGCAATCACTCTGCAACAGGTGTTTGGCTTTCAACTGGAGGAGATTGACACAAAGAGCCATA
TATACATTTCTTACCAACAAGCTGCAGCGGGTACAAGGAGATGGCATGAGAGTGGATGAGATACATCCAAAGCTGGGTCTGCTTATGTTTCTGAG
CCTCATCTTCAATGAANGGCAATACAGCTAAAGAGTCTGCTATTGGGAAATGTTAAGGCGTCTTGGATTGAACCAAGGAGAGATGCACCTCGNAGTT
TGGGGATGN

Q9924966.Seq

TACAAGCTCTTGTCTTTTGCAGGATCCCATCGATTGGAATTCGACCCACGCGTCCGGGATATTTCAGTCTCTGGAAAGAAATTTCTGTGATAAAAA
 TCAGAAAACGCGCAAGATTGGGTGCAAGACTGTTCTTCTATTCCACCATTTCTTATATTCTCACAAGTCTGACTGTATATTTATGGTACCTTCCG
 GGCGCATGACTGCAAGACTCCTCACAACGCTTCTGTGTTTGTGTTTCCAGTATTGATATGGTTTGTAGAACACTACTAATTTCTGTGGTTTCCCA
 GAAGAACTGAAAGAAATAATGATGCTCTGGAACTTTTAAAGCAGAAAAGAGAAATACCTTGAAGAGGTGATGGAAAAAGAAAACCTATAAGGCAGC
 TAAGATAATTCTTGAAAGTTTGACCCAGACTCAAGGAAGATAAAGGAGCTTGAACCTCCAGTTCCCTGGACCACTCACTCTAGACCAGGCCAA
 GATCTGCGCCAGAGGACGGCAGCTCAAAGAAACATAAGTGTGTCCACCCAGTAAACCCAGGCCAGGGAATCTCCGCAAGTTTCAGGGCTGTGGCGG
 CAACTCCAGCTCTTCAAAGAGATACTTCAGCTCCTGTGGGCCCCCTGAGCGGATCTGTTCAGCCCAACACCTCAGTCAAACATCTTACAGAGACGCCCC
 TGGATCGCCTGCAACTGCAGTATCTGGAATGGCTCTCCATCCCCCANGGCCATTTGGCAAGACCAATTCCTTTCAAAGAGAAAGAAGN

Q9924967.Seq

ANNCCNNTTTGAAATACNAGTCTACTTGTCTTTTTCAGGATCCCATCGATTGAAATTCGTGACCCACGGTCCGATATAACAGGAATGGCGGAG
GCAGCGGGCGGCGCTCTTCTCACATCAGCAGCTTCTGCAGGGAAGGCCCGCTGCCCGGTTCCCGGAGAAATCCCCCGTGGGTGTCTGGACTC
GGACGTCACTGCAGATATTTTCATACACGGCGTTTGCAAGGAAGAAATCAATTGTCTTATTGCAACGATCTGCCACCCAGCCGATCCGCCCATGAT
CTGCCGATATTTCCAGCGAGGCTGCTGTGCGTACGGAGACCGGTGCAGGTACGAACACAACAGCCGCTTCAGGAAGATCCGACTGGAGACACTTGT
ACTGCGCCGAGCGAGTCCCTCCCGAACCAAGCGGCAACATTAAACAGTAAGGCGGTGAACCTGGCAGCTAGTGAACCTGGCATCTGGGGTCCACGAG
CTCAAGACTGGGTGAATGCCGTGGAGTTTGTTCGGGGCAACTCTACAGTGACGTGCCCGAGAGCTTACACTCAGGGAACCTGTGAACCCAGACGA
GGCAGGGAGGAGCCTGCTGACCCGGAGCTAAAGAAACAACTGTGCCGTACCGGGCATGGGGAGTGTCTTATGGGGAGAACTGCGTCTATCTG
CACGGGGATCATGTGATATGTGTGGCCTTCAGTGCTCCATCCCGTGGACACATGTCAAGAGATCACAGCACATAAAGTCTTGTATTGAGGCTCATGA
NAAAGG

Q9924968.Seq

TNCCGTTTGGANTCNGTCTACTTGTCTTTTTCAGGATCCCATCGAATTCGTGACCCACGCGTCCGCTCCATCAAGAGCGTCGGACTTGT
 CCTCTACTTACCAGGCTTGATTTTCACTGGCAAGCCTCCTGGGAGTGAAACTGAAGCTTTCACATATAGCCCCCATCTCTTACTTGTCCATTTTGT
 TGCATAAAGTCGCAATTTGAAACCGAATAAATGCAAAATATGAACGGCTTCAGCAATGACGACTTTTGACTTCAGCTTCCTGGAGGAAGGCTTCTGTGC
 CCGGGTATCGTGGAGCAAAAAATCAATGAAGTGTCTTATCTGATGACAAAGATGCTTTTATGTTGCCGATCTTGGTGACATTTGTGAAAAAGCAC
 TTGCGTTGGTTTAAAGCTCTCCCCGTGTCGCTCCATTTTATGCCGTAAAAATGCAATGACAGCAAGCCGTTGTGAAAGACTCTCTCCATTTCTTGGTG
 CCGGCTTTGATTTGTGCCAGTAAGACTGAAATCCAATTAGTACAGAGTATTGGAGTTTCCCCGAGCGGATTATCTATGCAAAACCCATGTAAACAAGT
 TTCCAGATCAAAATATGCAGCTAGCTGTGGTGTGGAAGAGATGACTTTTGTAGTGAAGTTGAACATAATGAAAGTGGCAAGGAATCAGCCCAATGC
 AAAGCTTGTCTGCCGATAGCAACTGATGACTCAAAAGCAGTCTGGCCGCCCTCAGTGTGAAATTTGGTGCCACCCCTTAAAAACAAGCCGGCTACTTTT
 GGG

Q9924969.Seq

TGNAANCNNGTTGAATCCGTTCTTGGNCNTTNTGCAGGATCCCTCGATTTCGAATTTCGTGACCCACCGCTCCGGCCGACCTTCACAAAAACAGCAAAT
CAGTAACTTGGA CAACAGGCCAAGCTGTCCCGAGCATATGATGGCACCACTTACCTCCCGGCATCGTGGGACTCAATAATATCAAAAGCTAATGAT
TAGGCCAATGCTGTTTTGCAGGCTCTCTCCAATGTTCTCCTCTGAGAAATTACTTCTGGAAGAAGAGAATTATTGCGATATCAAGCGCCCTCCTG
GGACATCATGTTCTGTTGTCAGAGATTGGAGAAATTAATGCGCAAACTGTGGAACCCAGGAACTTTAAGGCTCATGTCTCCCCACATGAGAT
GCTTCAGGCAGTTGTTCTCTGCAGCAAGAAAACTTCCAGATCACCAAGCAAGGTGATGGGTGGACTTTCTTCTTGGTTCTGAAACGCACCTTAAT
TCTGCTCTTGGAGGCAACAAGAAAAAGAACCATTTGTATCAGATGTGTTCCAAAGGATCCATGCGGATATTTACCAAGAAGTTGCCCATCCTGATT
TGCCTGCAGAGGAGAAAGCAACTGATGCAGAAATGAAGAATACCAAGAAAAAATGTTGGAATCTCCTTTATGTACCTGACCCCTAGACCTCCCCACT
GCCCCCTGTATAAAGATGAGAAGGAGCAGCTGATCATCCCCACAGGTCCCTCTCTTNAGTATCCTGGCCCAAGTTCAATGGAATCACAGAGAAGGAGN

09924970.Seq

Page 1

Q9924971.Seq

TTGAATNCCNTTTGATTCCNTTTCTTGTTCCTTTTTCAGGATCCCATCGATTTCGAATTTCGTCCGACCCACGCGTCCGNGNTAGACNAAATTTAAGA
 TGGCTTNCNCGCTCTTATCAAGGTGAAGATCCAACGAAATTTANACCGGANGCCANNAGCCGATGATACANCTGCGACTAACGGCGTACCGAAAG
 CAACAAANAANCNCNAGCATNANGTGATCAAGTTAACCANAAATGACAAACGAAAGGAGAAAGGATGAATAAATCTTCAACCCGTTTTGAGCCTTAT
 AACCTCNAAGACNTNTTAGGGCTTTNATCTCTAACATACCCTTTGATGTTAAATGGCATNGCCCTGAAAGACCTTGTCAAGGAGAGAAAGTTGGTGAG
 GTAAACATACGTGGAGCTCTTAATGGACNATGAAGGAAAGTCAAGGGNTGTCCGGCGGTTGANTTTAAATTTGGAGGAAAGCATGANNAAAGGCTGTGC
 NAGTTNTCAATAANCATGTCTTTAATGGAAAGGCCATTAAAGTTAGGGAGGATCCTGATGGTGATCGTTCAAGAAAGAGCTGTCTGTTTNTGG
 ACTAGGCCCTATNGGCATGGGAGGTCCANGCCCTATNGGTTTGGGTGGTCCAAGTCCAATGGGAATGCCCGGGGCCAATGGGTATGGGTGNGTCCAN
 GTCCAANTGTNCTTGGCNGGACCTGGTCTTNGNAATGNGTGNCCNCNACCAATTGGTAGGNNNTATTCGCGCTAGCCTGCTTAACAAACNCCAANTAT
 TGCCTAAGGG

Q9924972.Seq

TTGNNNNCCNNTTTTGATTCCNGTCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTCGACCCACGGTCCGAAAGAAATCAGATTCCAG
 AAATTAAACAGACCTTAGAAATTTTAAACACATGCAGAGAAAAGGGTACTACTGAACCAATGAATACTAGGTTTCTGCTAGCAGATAATCTGTA
 CTGTAAGCATCTGTGCCACCTACAGACAAAGTCTGCCCTTTGGCTTGGGCCCAATGTTATGCTTGAGTATGATATTAATGAAGCTCAGGCTTTGCTA
 GAAAAGAAATCTTTCAACTGCTTCAAGAAAACCTTGGCTCTACAGAGAAAGACCTGGACTTCCTTAGGGACCAAGTTTACTACGAGCGAAGTCAATATGG
 CTAGAGTTTATAATTGGGATGTAAAAAGAAAGAAACAAAGGATGACCTTCAAAAAGCAAAAGCATAATTTCTCCCTGTTTTTAAATGAGACCAAGTTTCTA
 AGCAGATTTTTTAAAAAGGGGCCCTAAACATTTATGATGAAGGTAAACACTCCTTTCGAGGGGAGCAAGACTTATTTGAGAGCAGGCACCTGTTATTTAT
 TTTTGTTCACCCAGATTTCAATGCATGCAACTTCTATATAATGTCTGTTCTTCTTACTAAAATACTGAAAGAAAATTTTTTATCTAAAGGTTTGG
 GTTTACTGTGTTACAGCAGTTCGCAAAACTACAGAGGAAATAGACCCCTTCGCTGTANGGGGGCCCCANGANGTATAGGGGACCCCAAGGCCCTAAT
 TCATATTNN

Q9924973 . Seq

TTTGGANNCCCTTTTGAAATCCNNTNACTTGTCTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGTGGCACAGAAAGGTTTG
 GTGAGAGGGCAGAAAGTGCTTGTATGCTGGTACACCAATCAGAAATTCCTGTTGGTCTGTGAGACCCCTTGGAAAGATCATGAATGTCTATTGTTGAACCCCA
 TTGATGAAAGAGGCCCTATTCTACAAAACAGTTTGCAGCCATCCATGCAGAAGCCCCCAGAGTTTGTGGAGATGAGTGTGAGCAGGAAATCTTTGGT
 TACTGGCATTAAGTTGTAGATCTGCTTGCACCCCTATGCCAAAGGAGGAAAAATTGGTCTGTTTGGTGGTGCAGGAGTAGGTAAAACTGTGCTAATT
 ATGGAGCTGATCAACAATGTAGCTAAAGCGCATGGTGGTTACTCTGCTCTTGTGGAGTCGGAGAACGTACACCGTGAAGGAAATGATTTGTATCAT
 GAAATGATTGAAATCTGGAGTTATCAACTTGAAGGATACTACATCAAAAGTCCGACTGGTATATGGGCAGATGAATGAGCCCCCANGTGCCAGAGCTC
 GTGTTGCTTTAACTGGTCTGACGGTTGCTGAAATATTTTCAGAGATCAAGAGGGACAAGATGTGTTGCTTTTTCATTGACAAACATTTTCAGGTTTACCCA
 GGCTGGATCAGAGGTATCTGCTCTTCTTGGGACGTAATCCCTCAGCTGTGGGTACCCAGCCAACTCTAGCAACTGATATGGGTNCCATGCATAGAG
 AATTACAACN

Q9924974.Seq

TGAAATCCCTTTTGATATCCNNNTACTTGTCTTTTGCAGGATCCCATCGATTCCGAATTCTGTCGACCCACGCGTCCGATCTTATGTGACTGTGATG
AATTAGAAAGATTAGCCAAAGAACTCCAAACAGCCAGAACGTGAAGAAAGAGGGTACTTGGTCTAGTGTCTCGAGGGGAGAACTTGGTGTCT
CATGACTGTTGAAGGCCCACTCCCAAAGATACTGGCATTGCCAGGGTTCCATTGGCAGGAGCTGCTGGAGGACCTGGAGTAGGCAGGGCAGCTGGC
AGAGGTGTACCTGCTGGAGCACCTATGCCCTCAGGCTCCTGCTGGACTGGCAGGACCACTACGTGCTGGAGGACCATCACAGCAGGTTATGACGC
CTCAGGGTCGTGGTAATGTGTTAGCAGCTGCCACAGCTAGCATTTGCTGGAGCCCCAACACAGTATGCAGCAGGTCGTGGAGGACTACTTCCACCAAT
GGCAGAGGAGCACCCCCCTCCAGGCATGATGGGGCCACCCCCTGGCATGAGGCCACCAATGGGTCCACCAATGGGAATGCCCTCAGGCAGAGGAGGA
CCTATGGGAATGCCACCTCCAGGCATGAGACCACCTTCACTGGACCTCCACCTGGCATGCCACCCACTCGGCCATAAACTCAATACATTGTGTGT
CCAACTCCTGACTTTTCTGTTGACTCAGTTTGACTGNTCTGGGTCTTGTGTTTATATTGGAAAATGAAGCAGTTTTTTAAATAAACACCAATTTTG
ATGTAT

Q9924975. Seq

TTGTNAATCCCTCANTAGNCCCTTTGNAAGGACCCCGCAGGATCCCTNGATTTCNNAATTCGNCGACCCACGCGTCCGGTTCTAGATCGCGAGCGG
 CCGCCCTTTTCTTTCTTTGGGACAGGANCNGGNNNTTTTGTNNNTNATNNCNCNCCNGTTAGACNCTCTGATATGNCAGNNAATANTN
 ATNCGTTNTNTANATATGACATGGNNACTCNCCAAACCNTNGNTNCGTGNAGATAAAATAAAACAAANNTNTNNGAANTCNANNGNNNANGTACGN
 CNNAATCTATTNNTAAANTTNGTCAATTANANGANANTGGNNNTTNTAATAANNTATNTATNNNTCAGTTGCAATTAACAATGTCGCGNN
 TTNNCNAACNNNCTANTTACAANNNTNNANNTCTGGGCNATNTNAGTGTNAATANTTTNTNTNCAATNATNTNANNA CNTATNTTNC'TNAGNAAT
 NNNANNTTTNNAGGCNNNGNGNATTAATAAAACCNACTTANTGTATNTNTCTGTNNNANTCTNANNCAANNNGGAAATAATAAAATANNAN
 GNGATANTNGATTNATNNANNNNNNGNGNTNACTANNAANATAATANACCAGNCAANTGNTCNANTATTCNNGTNATNATNNNANGCCNANG
 GCGGGTNTGNCTCGCAATGNNCCCNTGNANTATTNGTTTANCTNNTNTACNCAATTTNCNGATNTTANCCNNCNCGANNCAAGCCNNNTN
 NCNCCTTAANAGCNA CNNAATAATANTCTNNNNNNNTAGAA TTTNTNANGATGGATNTATTTCTATTCAA TNNNTTNA GNNNNCNCNNNNCNCN
 NNNNTCNTTANNCG

Q9924976 .Seq

TTTGAAGTCCCTTTTGGAAAGNCCNTCTACTTGNCTCTTTTGCAGGATCCCATCGATTTCGAATTTCGTCGACCCACGCGTCCGGTAGTAATGCAATGTTA
 CTTCTAGTCTGTCAAACTTCATTGGATGTTTTTCAGAAATAAAAATATTACGGTCTTGTGGAGTATTAAAGGGTAGCTCAGTCAGTTTGTGTGTCCT
 ATTATCCTTCCTTTTCCACCACAAGTTTATGTAAATGCCTAATACATATCAGTTTGACGTGAGGTCGGACACTAAATGTCAAGTTTTTTTCAAAATC
 GCATCAGTTAACAGTGTCTACTCCAGCAGAAATTCTGCACTGAATCCAGTTCTCAAAAGAGCAACACAGATTTTATTATATTAAATTTTGAATCTGAC
 ATGGGGCTAGACATATTGTCAATTTCCAGGTGCCCCCAGTCAATGCTCTTAATAAACTGCAGTCACTCTTTACTGCTGTACTGCAAGTTGGAGNGA
 TATCACCCCCCCCCCGCCAGCAGCTAACAGAACAAATGGGAAGGTAAACAGATAACAGCTCCCTAACACAAAAATAACAGCTGCCCTGGTAGATCT
 AAGAACAAACACTCAATAGTAAAAATCCAGGTCCCACTGAGACACATTCAATTGAGTAGGAGAAACAAACAGCTGCCAGAAAGCNGTTCCCTCC
 TAAAGGCTGGCTCTTTCTGAAAGCACATGACCAGGCAAAATGAGCTGAGATGCACCTACACACCAATNTTACAACCTAAAAATCACTTGTCTGGGCAG
 GAATGA

406240' 64607660

Q9924977.Seq

TCCNNTTTGGAAATCCCGTCTACTTGTTCCTTTTGCAGGATCCCATCGAATTCGAATTCGTGACCCACGCGTCCGGTGCAATTGTATCTATATTAGG
GATGCACTGAATCCACTGTTTGGATTTCGGCCGAACCCCGGTCCATCGCGAGAGATTTCGGCCGAGTAGCGAACCCGAATCCTGGTTTGCCTGTGCA
GATTGGGGTGGGAAGGGGAAACATTTTGTCTTCCCTTGTGTCAGAGAGTCACGCGATTTCGCCACCCCTACCTAATTTGCATATGCAATC
CGAATCCTGCTGAAAAAGGCCGAATCCTGGATTGTGTCATCCCTAAATCTATATTGTATTGAGAAGGGCTCTTGTTCAGTCTGTAGAGTGATTAAAC
TGACACACAAGTAAAAAAGGGCGCCGCAAGGCTCTCGAGCCTCTAGAACTATAGTGAGTCGTATTACGTAGATCCAGACATGATA
AGATAACATTGATGAGTTTGACAAACCACTAGAAATGCAGTGAAAAAATGCTTTTATTGTGAAAATTTGTGATGCTATTGCTTTTATTGTAAACCA
TTATAAGCTGCAATAAACAAGTTAACAAACAACAAATTCATTTCATTTTATGTTTCAAGTTTCANGGGGAGGTGTGGGANGTTTTTTTAAATTCGCGGGC
GCGCCNCNCGGCGCAATGCAATTGGGNCNCCGCTNCCACTTTTTTGTTCCTTTTAAAGNAGGGTTAAATTGCNCNCTTGGGGGTAAATCATGGGCATAGCT
GTTTCC

Q9924978.Seq

TCAAGCTCTTGTCTTTTGCAGGATCCCATCGATTTCGAATTTCGTCCGACCCACGCGTCCGCTAGTTCCTAGATCGCGCGCGCAAGCCCTCTCGA
GCCTCTAGAACTATAGTGAGTCGTATTACGTAGATCCAGACATGATAAGATACATTGATGAGTTTGGACAAAACCAAACTAGAAATGCAGTGAAAAAA
ATGCTTTATTTGTGAAATTTGTGATGCTATTGCTTTTATTGTAACCATATAAGCTGCAATAAAACAAGTTAAACAACAATTGCATTCAATTTTATG
TTTCAGGTTTCAGGGGAGGTGTGGGAGGTTTTTAAATTCGCGGCGCGCCCAATGCAATGGGCCCCGTACCCAGCTTTTGTCCCTTTAGT
GAGGTTAATTGCGCGCTTGGCGTAATCATGGTCAATAGCTGTTTCTGTGTGAATTTGTTATCCGCTCAAAATTCACACAACATACGAGCCGGGAG
CATAAGTGTAAGCCCTGGGTGCCCTAATGAGTGAGCTAACTCACATTAATTGCGTTGCGCTCACTGCGCGCTTCCAGTCGGGAAACCTGTCTGTC
CAGCTGCATTAAATGAATCGGCCAACGCGGGGAGAGCGGTTTGGCTATTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCTCGGTCGT
TCGGCTGCGGGAGCGGTATCAGCTCACTCAANGCGGTAAATACCGGTATCCACAGAATCAGGGGATAACGCAGGA

Q9924979.Seq

AAATNCCGCTACTTGTCTTTTTGCAGGATCCCATCGATTCCGAATTCGACCCACCGGTCCGAAAAAACAATATGGCACAGGTTAAATGGTGATTG
ATAACACCATTAATGTTCTACGGAGCTTATCTGCTGTGTGGCCTGAGCTTTTCTCTTTGAATGGCTGCCCGGTTGCTGCACAGCATTATTTATA
TAAACAATGGTAGTGTCTGAAGGGAACATCCAGTTTACAGTGCAGGGCAACACTGCATTATATTTTATAACTTTAAACACTTTTCACTTTT
GGTGTACTGTTCCCTCAATGTCCCTTACGATCTGTGAGACCAAACTTGTTCATTTTATTTTTTCCCATTTGCAATTTGCTGTGTTAACTCT
ACAGACTGAGTGGTGAAAAATTATGCTATTGTATGTATGAATCTTTGTGGTTTACAATGCCGTTATCATGCTTTGGCAGAAAACCTGTGTAACCTAGGA
TTGTACCACTAAAGCAACAGTACTCAATATGTCCACTGGAACATGGGGTTACAGAAAGGAAATGTGCCAAATATGCTTTTGGTGACCCAGTGGC
ATAACTGCTAATTAAATACACTTCTTGCAAGAGTTTCAGGAATGAGAGGATTTAGGTCAGCAGGTTTACTTGTGGCATCTGCCCTGTTTATATACAC
TAAACATAAAACCTCTGTACTCACATAATTAAATTTTTTTTAACTTNGGCTAANGACATCTCACCCAGCAGTCTTTCT

Q9924980. Seq

TNCCGCTACTTGTCTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGCTGATTGACCCGCTATCGGGCTGCCCGCACATAACTA
GTATATATATAACAAACAAAGGAAAGTTGTGCTCACCACTAATTTTAAAAACATTAGCGGGGTGCAATGAGGCTGTGACCCACAAAATACATA
TAGACAAATACAAAGAGGTAAACCTAGTCCCTTTGTAAAAATGTATAATTAAGCAATAGAAATCTTAATGAATCAGATGAAAAATTGAGCATAGGACTG
GCCAGATATGGGATGACTGTGACGTAGTTGGCAGCTTAAATATATTGCAATATATGGACAAACAAATCCCTGTTTGTAAAGGTAAGGCAATTTT
CAGTAGCAGTATGCACAAAATGTCTCCATGTCTTAAATATATTGATAATAATAATAATTTTATTATTATTTTAAATAAAACCCCAATGGGATCTGG
TTTCTTCTTATGTTGTGTTTATGGTCTGTTGACAGTACCGGCTTCCGAGGCGAGCCGCTCACAGCAGAGAACTTTCCAGGAGAGAG
GTAAGAGACCATCAGTTTTTGGGTGTGCCCTGTCTGTTTCAAGAACCTTCTCATGCTTCTCATCCCCAGCTGCCCTTCCAGGATTGAGAAG
ATGCTTCCAGACCAAGGATTGGTGAATGTTTATCCAACAGCAGCTCCGTTCAAGCCGTCCGTCAGTGCCCCCTTCCCTGTCT

09924981.seq

Page 1

Q9924982.Seq

AANCCCTTTGAATNCCGCTCTTGTTCTTTTGCAGGATCCCATCGATTGGAATTCGTCGACCCACGCGTCCGGAGACAGGTAAAAATGGAGAGTGAGG
TCAGTGGGAGCTTTACAAGATGTGTTAGGCACCTATGCAGTCCACAGGGGGTCACTGTTGGGAATATACTGATGACTCCTGGAATCCCGATGG
GGAATGTGCTCTGATAGAGCCCCCTGCTGTAGGCTCCTGGACATGAGCGATGAAGTCTGCTAATGGTGTGGAGTTGCTGGATCCTTTTCCCTG
CTTAAACTTGGAGGAGCCTGTANAACATTTATAGGATCAGCAACACCGACAGCCTGTGGGCCCGACATTGTAGGCTTGTCTTTGGCTCTGGTTTTA
GAAATGGTTGCACTGACTACACCCCAAGGAAAGCATTTAAGCTTTATACATGTGGGAAAGTTGTACAAGACCCCTGCCCTTGCAACAGACAATTGCA
GGACTTGTGTTTTTCAGGGTTACCCCTAAAAAGATACTGGATACAGTGGCTCACTTTAGAAGAAATGGTCTCTTNCCTGTCCAGCTAACTGATC
AGGCTATTAAAGCTATATGGGGAATTAATAAGACCACAACTGGATGAAACATAAAGTTACAGATGAATCCTTTANAAGATGCACACAACTGCCGTG
ATAGATATGACTGGGAAGGAACCTACATANTATTGGCAAATGAAGTACCATGGGGAATTTTACAAAGCTTCAATCTCATGTTTTTTTNAAAAAAT

Q9924983. Seq

Page 1

Q9924984.Seq

GAAATNCAGCTACTTGTCTCTTTTGCAGGATCCCATCGATTTCGAATTCGACCCACGCGTCCGGGTTTTTGCCTTGAGTTGCGTACGTCTCTGTTT
 AGTCACCCATTTCGTTGTCTCTGTGCGTTTTATTGGCTCCACCCCTTCTAGGCGGCTCCCGAAAGTACGGGGTGAAATTAAATGAGGAGGAGGAAA
 GGTAGAACGATATAAGTCGCGTCCGGCTCCTCTTTGACAGGCAGCACCTTAACATACGCTTATTAATACCTGAATTTTCGAGTCCGCTCAGCT
 CCGGCTCAGCTTCGCACGAAATTGTGTGTTAGTGGCGAGAGGCGTAGGCCGTGCCAGTGAATGTGTGACAGAGCGGGGCAGAGAGGGGGAACAAACT
 GATCGGCACAGTGCGGAAATTGTGTGTTAGTGTGTTGCGGTGGGATAGTGTGTGTAGGGAAGTTCTGTGTATGAGGACAAGACGTTTTA
 CTAAGAGCTGGACCAAGTGGATCGAGCAGCTGAATGACTGCAGCAACTCAACGAGAGCCCAAGTCCGCACCCCTGTGCGAGAAAGGCTAAAGAAATCCT
 TACTAAAGAGTCAAATGTGCAGGATGTCCGCTGCCCTGTACAGTTTGTGGAGATGTCCACGGCCAAATTTTCATGATCTTATGGAACCTCTTCAGAAATTG
 GAGGAAAATCTCCAGACACCAACTATNTNTTTATNGGAGACTATGTGGATAGAGGATATTACTCTGTTGAAAACAGTGACCT

Q9924985.Seq

ANCCCTTTGAAATCCNNCTCTTGTCTTTTTCAGGATCCCTCGATTTCGACCCACGCGTCCGGAGCGGCAGAGAAATCAGCGAGGCCGC
 GTATTTATTATTATCGTGTATTATCTAGTTTCCAGTTGCAGCAGACATGGAGAGGGGAAAGGAACAGTTCCGTAAGCTATTTCATTGGCGGCCCTCAGC
 TTTGAAACAACAGAGGAGTCTACGGAAATTACTATGAGCAGTGGGAAACGCTTACAGACTGTGTGTTATGAGAGATCCTGCAAGTAAAGGTCCA
 GAGGCTTTGGCTTTGTAAACATTTTCTTGCATGAATGAAGTTGATGCAGCTATGGCAACACGTCCGCATACTATTGATGGCAGAGTAGTTGAGCCTAA
 ACGAGCTGTGGCAAGAGAGGAATCTGCAAAACCTGGTCCCCACGTCACTGTAAAGAAATTGTTTGTGCGTGGCATTAAGGAAGACACAGAAAGCAT
 CACCTTAGAGAGTACTTTGAGGAATATGGCAAAATTGACAGCAATTGAAATCATTAACAGACAAACAGTCTGGAAAGAGAGGCTTTGCCCTTTGTGA
 CCTTCGATGATCACNACCCANTTGATAAGANNAGTTCTNCAAAAGTNTTCACAATTAAATNGCCCCACCCNNAANTTANAAGNCCCTTTTAAACCA
 AANAATGCAGAAATTTCAAAACCCCTCNAATAATTAAAGCGGCACNTTTGGTTTCNGANACTCCANAGGNGGGGAACTTTGGTN

Q9924986.Seq

ATNCCGCTCTTGTTCTTTTGCAGGATCCCTCGATTTCGAATTCGTCGACCCACGCGTCCGGGCATTATGATAGGCCCAAATCTAGAAAAGAAAAACC
 ACAAGACCACCAACCAGGACAAGTAGACACGAAGATGATTCAATATTGAAAGGACAAATGGAGAACACCACAATGAATACTTGCATAGAAAG
 GGGAGGTCTCAGTCAGGACCCCTNTCTCTACAAAGAAATTCGATTCTGATAGATGGCAGCGGGACAGTTCTGATGCAAAATCGCACAGAAATTGCA
 AGGAAAGTGATTTTGACATTTGAGCGACGCANAGGAGAACACCTTCTCCATGCCAAGAAAGGAATCCAGGGATTTCAGGTTTTCGATCAAAGGGGGC
 ACGAGATGCACCTATATCTAAACATATGTCGGGCTTAAGAAATCAAGAGGAACACGATGCACACCTAGCCCCGAGGCTTCAGGAAAAAGAGTTGAGG
 GTAAACATTTGTGGATAAACGAGCAGCTCAGATGGCTCAGGATGAGGAAATTTGCCCCGTATATTATGGACAAAGAAAGCAATATAAGAAAGTCAA
 AAGGAGGTGGAATAATGTGAGATGCNAAGCGACCAAGAAATTTGGAGGCACTCTGATCATGTTCAGGCAAAANGTCAAGAGAGGACATGACCATCATC
 ACCGCTCCAGAGTGATAAAACCTTCANGCCCCCTTCATNCCCNGAGATCTGNTGAAGACNATTACCATGATGCTNTCN

Q9924988.Seq

ANCCCTTTGAATNCCGTCTCTTGTCTTTTGCAGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGGAAACACAAGCATGAAAAATATTCC
TGAAAAATAATTGCTGTGATTGGCCATTGGTAGCCCTATGTGATTGTCAACCTGCATTGAGACTCTGTGTGGCACTGCACCTGGTTTTATACAA
CCAAAACCTTGCCTCCAAGCCTGGAATTCAAAAATAAGCTCCTGCTTTGAGGCCACTGGGAGCAACATTCAAGGGGTTGGAGAGCAACATGTTACTCA
TGAGCTACTGGTTGGGATCAGTGTCTAGTTGGTGCTTTCAAATTGAGATTGAGTGTGACACAGAAAAAAATTGAATTTGAATTTACCATTC
AAACCTTAAATAATCTGCCCTTGAGTCTTAAGGCACCTGCAATTGAGTAGAATAAGTAGCTCCATGGGCACAGGAATAAATACTTAAAAATCATCCC
CCATAGACTTGTATGCATCAACTGCACATGCACTAGCCTCTCAGGCATTTGTTGTTGAGTAGGATGGGCGAATTTTTCACCTTGTTCGCCGAAA
AAATGACGCCCATAGACTTTGTATGGCATTGTGCGTCAAAATAAAAAGACGCGCGTCAAAAGAAATTTCTCCACGCGACAAACATTTTTTTGACGCC
ATAGACTTCAATGGGGTGTCCGGGACATTTTCGCCNCGCGCGAAATTTTGTGGTGGAAACGAAACANGTCAAATTCGGNCATTCCCTATTGTTGA

Q9924989.Seq

AAATACCGTCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGACCCACGCGTCCGATTTTATTAGATTATCCATTAGGATGATGGA
AGAGATGGCAGAACATGTTTACAGCTGTTGCAGCTCTCTCCCTCTGAGTTAATTTGTTTCTCAAGTGGTGTAAAGGAAACATTTTATACACTTTT
TTTAGCTTAAACACTGTGTGAATGAAGTGTCTTCTGCATAACAATATGCACCTGTATTAAGGAGACATATAGAATGCAATTTTAAAAACCCCTAATTT
TCTAGGGTTAATGAAGAGTACATAGTGTGGTTTTCACCTTTGGGCCAAAGTTTAAAAATGTCCCTATATTGGAGCTCCCCCTAGATGTTCACTAG
TCCCTGCCCATGTTTCAAAATGAGGTGGACGTGTCTTAATGGTCCCTGCCAGAAGCATAGTAGGAGGGGATAGGCCAATCAGAGCCCTGCCGTTAA
CTATTAAATTTCTTAACATCAGATAACCGCTGAAGCTGCAAGAAATGTACCCAGAGCGAGGGCCCGTCTGCTGTCTTCTCTGGACAAGGTTTCC
TCCGTAAACCGACGCCCTTCCATCACTTTGGCCTCAGGCCCTAACTCCTGTACACCCCTACACTTGTACCACTATCACCGGCTCTCTCCCCCAAGGTAG
TCTCTCCCACTATGACAGTATGCTAAACAGTTNCCCCTTACCCACTACCTTCTTTTCTTGGGAGGGCGGCCCGGAGCTGT

Q9924990.Seq

AAATNCAGCTACTTGTTCCTTTTGCAGGATCCCATCGAATTCGAATTCGTGACCCACGCGTCCGATTAAACTCTGTGACTTTGGCAATTAGCGGCAG
CTGGTGGATTCCATTGCCAAGACCAGAGATGCTGGGTGCAGACCTTACATGGCACAGAAAGGATAGACCCCAAGTGCGTCCAGACAAAGGATATGACG
TCCGGTCAGACGCTGTGGAGCCTCGGGATCAGCTATATGAGTTGGCCACGGCCGGTTCTTACCCCAAGTGGAACAGTGTATTTGATCAGCTGAC
GCAGGTTGTGAAAGGCGACCCCTCAGCTGAGCAATTCAAGAAGAGGCGAGTTCTCCCGAGCTTCATCAGTTTCGTGAATCAGTGCCCTTACCAAG
GACGAGTCAAAAAGACCAAAATACAAAGAACTTTTGAAACACCCCTTTATCTTGATGTACGAAGAGCGCACAGTAGACGTGGCAGGGTATGTTGACA
AAATCCTGGATCAGATACAGCTTCCCCAGCTCCCCGATGTACGTGATGTACACAGCCCTCATGCGAACTTTAGCGACAAGGGCTCGGAGTGAA
CCAAAGACGAGAGAGATTCAACCCGCGACTGTGAGTATCTCCTTGCTCCAGCGCCACGTGCAATAAGATCGGNGTTCGTTTCATTTC
CCTTNCAICGGGTCTGNGNGCTACTGCACATGTAAATCGCATCCCCCTTCTTTTAAAGAAACAGCTGGTCTCATGGGA

Q9924991.Seq

AAATNCCGTCTACTTGTCTTTTGCAGGATCCCATCGATTCCGAATTCTGACCCACCGCTCCGAGAGACACAGATTTTGGTGGCTGGAGCAACT
 GATCAAGACTCCAGGTTATGATCAGCCACACATATGGGCCATTGATTCTTTCAGGAGCCTCTCCAGCTTTTAACTTTTACCTATGCCCCACAGCCT
 TCCCGCTCTACGGAGGCTGCAGGCTTGCCTCTATCTCCCTGGCTGCTTCCCGCTTTCGAGGCTCTGCAGCAGGCCATACACCCACCTGGGTG
 TATACTTAGTACAAATACTGATATATGTTCTCATATATATTTTATTTGTTTGTATAGGAGATCGTCAGACGGGCTTGGAAATAGCTGGCAC
 CAATTGTGAGTATTTCTACTTATCCCCCCCCCTTCTTTCAGATAGACCCCTTGGCCCCATCTTCCCTCCGGTCCCTGCTCTGTTTCACTTCCC
 ACTGCCAGGCCACCTAGCCCTCCGTCGCTTCTGCGCAGGCCCTTCCGTCCCCCTTACTTGGCGCCGTTTTCATGCGTCTCACGCTGAGACGCACT
 TCCGCTTCGCCCTGCTCTACGGGAGCGGCTTTCGTTTCCCGGCCCTTCCGTGGAGTACCCGCTTGTCTNCTGCCCTCTTNTCAGTTCTCGCTCTGNC
 CCGNGCAAGTACTGGCAACACGCTCTCTTCAGGACTGNTACCTNTGNCCTCCTTAACGNGACAGGCTGNT

Q9925226.seq

Page 1

Q9925227.Seq

TTGAAGNCCNNTTTGATTGCCCTTTTTCAGGATCCCATCGATTTCGAATTCGTCCGACCCACGCTCCGCAAAACACTGACAGAGCTATGCCGAAGACT
GGTTACTCATTTATTCATTTTAAAGTGATGAAGAACTTGCTATGTGGGAAGAGGATCCTGAAGGTTTGTGCTGTAGAGGAAACCGGAGGAGATTTCATGG
AAATACAGTTTAAAGGCCCTTGCTCTGAAGTCCTTTTATTGACATTTTCCATGAATACAGTGGAAACACTTACACCCGTACTATTGAATATGGTTGACA
CAATAAAAGGTCCCTACAAGTGTAAGAGATCTAAATGCTTTGCGGATTAAGGAAACCGGTGTATAATGCTGTTGGACTAGCGTCATATGAAATTATTGA
CTGCATAGACTTTGATGAGTGGTTTCAGAGTCAGCTACTAGGAGAGCTTGGAGTTGCCCATGACAGGTACAAACTGTTACCGTCGACAGATAATG
GCTGATTGGACAAATGGGTTTCTGTGAAAATTCAAGGCTGATTTGAGACCTTTACTTTATGAAGCTATTCTCAGTTTGTGCAAGATCCAGATTTTAGTG
GTTGCGTGTGAAAACAGCAACTACATTGAAGCTGACAGTCGACGACTTTGAAATTCAGAAACAGAACAGTTTTCGCCTTATCTAGAGACCCCTTCAGTCT
CCTTTTTCAGTTGCTCAGCAAGTTACCCGAAATGTGACTTCCCAAGATGCCAAG

Q9925228.Seq

TNCCGTTNCTTTTGCAGGATCCCTCGATTTCGAATTTCGACCCACGCGTCCGATTTTTTTTATATTTAAATTTGAAATCTGACATGGG
 CTGGACATAATTGTCAGTTTCCAGCTGCCCGCAGTCAATGTGCTGTGATAAACTTCAGTCACTCTTTACTGTTGTAAGTCAAAATGGACTGATATCAC
 CCCCTCTCTTCCCCCAGCAGCCAAACAAAAGCACAAATGGGAAGGTAAACAGACAGCAGCTCCCTAAACAAGATAACAGCTCCCTGGTAGAGCTAA
 GAACAGCACTCAATAGTAAATCCAGTCCCACTGAGACACATTTCAGTTACATTGAGTAGGAGAAAACAACAGCCTGCCAGAAAAGCAGTTCCATCCTA
 AAGTGTGGCTCTTTCTGAATTCACATGACAGGCAAAATGAGCTGAGATGCACCTACACACCAATATTACAACTAAATACACTTGTGTTGTTTCAGGA
 ATTAAATTTTATATTGTACAGTGAATTTGTTGAGCATGGGCACTGTCAATTTGGAATAGAAACTACATCGTAAAGATCATGACAGAAATCCCCTTTAA
 TGCTAACAGTATATGTATCCCGTAAATATTTTGGAAATAAAATAAATAATGAATGTACATTACAAAAGTGCTTAGAATAGCCCTATCGTCAATT
 TTACATTCACTTATTTTAAAGGGTTACTTATCCTTGAAAGGNGTGG

Q9925229.seq

Page 1

Q9925230.Seq

GAAATNCNANTTNCCTTTTGCAGGATCCCATCGATTTCGAATTCGTCCGACCCACCGCTCCGTGTCCCTGGGGGAGAAAGTGGACGAGTCCGAG
CTAACTGACGTGCCATTGCCCTGGCGAGAGTGAAAGGCGCAGGAGGCTGTGTGAGGGGAAGAGACAGGAGAGGAGGTGGTTATTACTCTTC
TAGTTTCCCTGCTCTAGTTTGTGTACGAGAAAGGAAGCCGTGGGACCTCGCCTCGTATCTGAGCGTCTGAAACCTTGCCCTTCTCCCCGTTCCCATGCC
ATCATTTGGCCTCCGCTGCCGCCCGGAAATCCTCCTTTCAGCACATAATAAAGGCAATCTTCTGCTGCCAGCTCGGCCCCCGGCTGCTCC
TCCTACTTCTCCTGGCCCGGACTTGTAGGCAGAGGAACTCCGGGACCGGGAGAGGCTTCTCGGACTCGAGTGGATCTAAGGGCCCGGGCTGTG
CTGCAGGGACATCAGTATGAGTCACTCCCGGTGCAGCACGGCCCTGCCCTGGGATAATACAGAATCTTAAAGCTGATCCAGAGGAACTGTTTCAGAAAA
CTAGAGAGAAATAGGCAAGGCTCATTTGGAGAAAGTCTTAAAGGAAATTGACTATAGGACTCAAAAAGTTGTAGCCATAAAAAATAATAGATTGGAAG
AAGCAGAAAGATGAAATAGAGGATATTTCAGCAAGAAATCACTGTGCTCANC

FOE260 E4807660

Q9925231 . Seq

TNCAGTTACTTGTNCTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGTCCCTTATTTCCAGAAGACGGTGCCCTCCAGTGAAGA
GCGAGCAGCTAAAAATGTTTGCACCTGAAGTAGGAGGCATCCAAGGATCCGGGGTGAAAAGTCCGTACCAAGGCCCTTGCGTCAGCAGTTCAGCATTTACG
GAGATAATGAACTCGAGTCGTTTCGGATGCCTCACAGTTTCTAGAGAAATACAGAAGACACGGGGCTGCAGGAGCACACTGATGATAACTGCCGTGTA
GTGTTGGCATTCACTTAATGGGTTACAGCCAGTCAAAATCAGTTCAATGAATATAGCCGTTTAGACTTTTCCCGACATTTCCACATTTCTGACTGGTGCGC
TCATACTATCCCAATCACTTAGAGGTGGTATCCCATTTCTCCAAGTGTTCCTGGATATCAGGGTGTAGTGATGTTGTGTCCAGGGCTCGGCAAGC
AGTGACAAAAGTACAGAGTTAGTTCTAGGTGGCAAAATCAATTTCCCGAAAGATACACCTGTGTTGCAGAAATATTACTCCGGAAGAGGTCTTTAAGACTTG
TAATTAACCTGAGTAGCTCCGTAGGAACGAAAGGCCATGAACCTGGGCTCTTAAAGATTAGGAGAAAGTTTCTCAAGCCTTTTGATGACATTTGCCC
TNTATTCTGAGGTTTCCCACTTATTAGCACATTGCACATTTTTCGACN

Q9925232 . Seq

TCAAGNTCTTGTCTTTTGCAGGATCCCATCGATTTCGAATTCGTCCGATCTAGTTGAGCAGCTAAAAATGCAGTTTAAACGCAGAGC
 TTTGTTGGTAGAAGTATTGCTTTGGCCCTTTCAAAAAAGACAAACATGGCGGACACCAAACTCTTACCCAGACACGATTTCGAGGCAGCAGTGAGC
 GTGATACAGAGTTTGCCCAAAAATGGTTCAATCCAGCCATCTAATGAAATGATGCTAAAGTTCTATAGCTTCTATAAGCAGGCAACCTTAGGGCCGT
 GCAATACTGCAAGACCTGGATTTTGGGATCCTGTTGGCGATACAAAGTGGGATGCCTGGAATTCTCTAGGGGACATGTCCTAAAGAGATGCTATGAT
 TGCTTATGTTGATGAAATGAAAAAGATCAATTGAAACAATGCCAGTGACGGACAAAGTGGAAAGATTGCTGCAAGTCATAGTCCATTTTATGAAATA
 GTGGAGGACAAAAAACACGGCGAGGATCTGGTGTGACATCAGAACTCGGACCGTCTGACATCTACACCAAAATGGTAAGGCAGTGAATGGCAAGG
 CAGANAGCANTGACAGTGGAGCGGAGTCGGACGAAGAACAGGCAGCAGCAAGGAATTTAAAAAGGNAGATGAANAANATGAANAAGATGAAACAGA
 CCTTNTGAANAAGAGAGAAAGAGTGGACANCGCCTGGT

Q9925233.Seq

TGAANTCCCGTTNCTTGNNCTTTTGACAGGATCCCATCGATTTCGAATTTCGACCCACCGGTCCGCGGAGCGAGAAATATTAAATTATTCGGCGCAT
CTCAATCATTTTATAAGGTCACAATGCAGATCTTTGTCAAAACCCTGACTGGCAAGACCATTAACCTAGAGGTAGAGCCAAAGTGACACTATTGAGAA
TGTCAAAGCAAAGATCCAAAGACAAAGAGGATCCCTCCAGACCAGAGGTTGATCTTTGCCGCAAGCAGCTGGAAGATGGGCGCACCTTTTCC
GACTACAAATATCCAGAAAGAATCAACCCTGCATCTTGTGCTTCGTCTGAGGGTGGCATGCAGATCTTTGTCAAAACCCTGACTGGCAAGACCAATTA
CTCTGGAGGTGGAGCCAAAGTGACACAAATTGAGAAATGTCAAGCAAAAGATCCCAAGCAAGGATATCCACCCAGACCAGCAGAGGTTGATCTTTGC
CGGCAAGCAGCTGGAAGATGGGCGCACCTTTCTGACTACACATCCAGAAAGAAATCCACCCCTGCATCTTGTGCTTCGTCTGAGGGGTGGCATGCAG
ATCTTTGTCAAAACCCTGACTGGCAAGACCATTAACCTTGGAGGTGGAGCCAAAGTGACACAATAGAGAATGTCAAGCAAAAGATCCCAAGACAAAGAAG
GTATCCCTCCAGACCAGCAGAGGTTGATCTTTGCCGGCAAGCAACTTGGAA

[illegible]

Q9925234.seq

Q9925234 . Seq

TCAGTTGTTGCCCTTTTGCAGGATCCCTCGAATTCGTGACCCACGGCTCCGTCATTTTTCATCCTTAGATCACTTTGGGGTCTTT
ACTGTGCCCTTTAACTTTTCTCCCTCACAACATGGACATGAAAAGAGATGTATGCTGGAGCTCAGGAATCGGAAAGCGGTGACGCTAAAG
AATTGGTTCTAGATAACTGCCGTTCAGACGATGGCAAAATTATTGGA CTGACCTCAGATTGAAAGCCTGGAGTTTCTCAGCATGATAAATGTCAA
CTTATTATCTGTAGCTAACTTGCCAAAGCTCCCCAAGTTGAAAAGCTGGAACTCAGTGA CAATCGAA TCTCTGGAGGATTAGAGGTACTGGCAGAA
CGAACCCCAAATTTGACACACCTGAACCTCAGTGGGAAACAAGATAAAGAGATAAAATACCCTAGAGCCACTAAGAAACTACCTCATCTCATGATC
TGGACCTCTTTAACTGTGAGGTGACCATGCTAAACAACTACAGGGAGAGTGTTTTGAACTTCTCCCTAAGCTTACCTTTTATAGTGGTTTTGATGC
AGATGACCGAGGCTCCAGATTCTGATCCAGAGGCTGAAGATTTTAGAGGAAAATGGAGAGGATGGTGAGGAGGATGAAGAAAGATGATGAAGAAGAA
GAAGAAATTTGAAGATGAGCTTGATGATGAGGATGAAGAN

Q9925235.Seq

TACAAAGCNTCTTGTTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGGCATGGCACACAACAAAATACCACTAGGTGGCTG
 AACTGTCCCGGAGGGACAGCCTGTTGCAGCAAAAATTTTACCTCTGAAGACTATGTTGGGACCAAAATATGATGATCAGGTTCTCTGAGGAGAATC
 GTTCCATCCAGCATGCTGTCCAACCTACTTGAAAAGCCCTTAAGGTTAAAATGGGGCTGTTAGTAGATCTGACCAACACAACTAGATTCTATGATCG
 AAATGATATTGAAAAGAGGTATCAAGTACATCAAACTTCAATGCAAGGTCAATGGTGAATGTCCGTACAGGAAAATACAGACACGTTTCTTCGT
 CTTTGTGATCATTTTATTGACAGAAATCCCTACTGAACCTCATAGGTGCCACTGTACTCATGGCTTCAACCGTACTGGTTTCTCATCTGTGSCCTTTT
 TAGTTGAGAAAATGGATTGGAGCATTTGAGGCTGCAGTAGCCACATTTGCACAGGCCAGGCCCTCCAGGTATTTATAAGCAGATTACCTCAAGGAGTT
 GTTCCGTGTTTCGGCCGACATTGAAGATGCCCTAAACCTCTGAACCTCCANATTGGTGCTTTGAGGAAGAAGATGTANACNATGAGGGAAACCANTNT
 ATTTNAGGAAGCINNANGCCGGTTCNTNAGGAGCCACTTTTATAAN

Q9925236.Seq

TNCAGTTACTTGTCTTTTTCAGGATCCCATCGAATTCGAATTCGACCCACGCGTCCGTGAGTAGAGTTCTTGTCTTCAACAGTGTGTTGAACGGA
 ACCCTCTGAGTCTTTTATAGACCAAACTCTCTCTCGAATTACTCTCTTTTGTGACTCTTTTGGCCACCAGCAAAACACCGAAACGCCA
 TCATGCAATCCCAGGTGCGCCAGAACTTCAACAGCGACTGCGAAGCCGCATCAACCGGATGGTGAACATGGAGATGTATGCCTCCTATGTCTACCT
 GTCCATGTCTTACTACTTCGATCGTGATGACGTGGCACTCCATCATGTGGCCAAAGTTCTTCAAGGAGCAGAGTCACGAGGAAAGGGAGCACGCCGAA
 AAGTTCCCTCAAAATACCAAAACAAACGTTGGGGCCGTGTCTCTTCAAGATATCAAGAAACCCAGAGCGTGACGAATGGAGTAACACCCCTGGAAGCCA
 TGCAGGCCGCTCTGCAACTGGAGAAAGCCGTGAACCCAGGCCCTTGTCTGGATCTGCACAAAGCTGGCATCCGATAAGGTTGATCCTCAGCTCTGCCACTT
 CCTTGAATCTGAGTACTTGGAGGAAACAGGTGAAGGCCATGAAGGAGCTTGGAGACTACATCACCAACCTGAAGCGCCTTGGGGTGCCGCAAGATGGC
 ATGGCGGAGTACCTGTTCGACAAAGCACACCCCTGGGGGAGAGTACN

402240" E460T650

Q9925237.Seq

TNNAGTTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGCAGAAAAAGCTACATTAAAGATGATGAGAGAAAGTCTG
TTAGTTACCTGTGTAAAGTGTGTCCAGGTTTCATTCAAGTTGTTATGGCGTTCCTTCCCATGAAATTTCATGATGGATGGATGTGTGCTCGGTGTA
GAATTGGAGTTTGGGCAGCAGAAATGCTCTTTGCAACTTTCGAGGAGGTGCATTAAAGCAAAACAAGATGATAAGTGGGCACATGTAATGTGTGC
TATTGCTGTTCCAGAAGTCAAAATTCAAAAACCTGACCCGAAAGATCTGAAATAGATACTCTACGATTCCTCTTGAAGATTAAAACTGCGATGTGTT
TTCTGCAGAGAAAGAGTTAACAGGGTTTCTGGAGCATGCATCCAGTCTCATATGGGCGCTGTCCAACATCGTTTCATGTGACCTGTGTCTCATGCGAG
CCGGTGTACTGATGGAGCCCGATGACTGGCCCTTTGTAGTGTATACGACATGCTTCAGGCACATGATCAATCAGAAATATGAGAAAGTAAAAATTGTTAA
GAAAGCAATATCCATTGGTCAAACTGTAATCGCAAAACACAGAAACACAAAGATATTACAATTGCCAGTTAAAAAGAAATGACATCCCCAAACCTTTTAT
GAAATTGTGTTTGATGATGATCTACAAGCAAAAGACACTTTTCCCTG

Q9925233.Seq

TGAANTCCCGTTNCTTGNNCTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGCGAGCGAGAAATATTATTTCGGCGCAT
CTCAATCATTTTATAAGGTCACAATGCAGATCTTTGTCAAAACCCCTGACTGGCAAGACCATTAACCTAGAGGTAGAGCCCAAGTGACACTATTGAGAA
TGTCAAAGCAAAGATCCAAAGACAAAGAAAGGTATCCCTCCAGACCCAGAGGTTGATCTTTGCCGCAAGCAGCTGGAAGATGGCGCACCCCTTTCC
GACTACAATATCCAGAAAGAAATCAACCCTGCATCTTGTGCTTCGTCTGAGGGGTGGCATGCAGATCTTTGTCAAAACCCCTGACTGGCAAGACCATTA
CTCTGGAGGTGGAGCCAAAGTGACACAAATTGAGAAATGTCAAAAGCAAAAGTATCCCAAGCAAGAGGTATCCCAAGCAAGAGGTTGATCTTTGC
CGGCAAGCAGCTGGAAGATGGCGCACCCCTTTCTGACTACAAATCCAGAAAGAAATCCACCCCTGCATCTTTGTCTGCTGAGGGGTGGCATGCAG
ATCTTTGTCAAAACCCCTGACTGGCAAGACCATTAACCTTGGAGGTGGAGCCCAAGTGACACAATAGAGAATGTCAAAGCAAAAGATCCAAAGACAAAGAAAG
GTATCCCTCCAGACCCAGAGAGGTTGATCTTTGCCGCGCAAGCAACTTGGAA

402240 24607660

Q9925235.Seq

TACAAGCNTCTTGTTCCTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGCATGGCACACAACAAATACCACTAGGTGGCTG
AACTGTCCCCGGAGGGACAGCCTGTTGCAGCAAAATTTTACCTCTGAAGACTATGTTGGACCAAAATATGATGATCAGGTTCTCTGAGGAGATC
GTTTCCATCCCAGCATGCTGTCCAACCTACTTGAAGAGCCTTAAGGTTAAATGGGGCTGTTAGTAGATCTGACCAACACAACCTAGATTCTATGATCG
AAATGATATTGAAAAAGAGGTATCAAGTACATCAAACTTCAATGCAAGGTCAATGGTGAATGTCCGTACAGGAAAAATACAGACACGTTTCTTCGT
CTTTGTGATCATTTTATTGACAGAAATCCTACTGAACTCATAGGTGTCCACTGTACTCATGGCTTCAACCGTACTGGTTTCTCATCTGTGCCCTTTT
TAGTTGAGAAAAATGGATTGGAGCATTTGAGGTGCAGTAGCCACATTTGCACAGGCCAGCCTCCAGGTATTTATAAAGCAGATTACCTCAAGGAGTT
GTTCCGTCGTTCCGGCACATTGAAGATGCCCTAAACCTCTGAACTCCCANATTGGTGCTTTGAGGAAGAAGATGTANACNATGAGGGAAACCCANTNT
ATTTNAGGAAGCANNANGCCGGTTCNTNAGGAGCCACTTTATAAN

Q9925236.Seq

TNCAGTTACTTGTCTTTTTCAGGATCCCATCGAATTCGAATTTCGTCGACCCACGCGTCCGTGAGTAGAGTTCTTGCTTCAACAGTGTGTTGAACGGA
 ACCCTCTCTGAGTCTTTTTCAGACCAAACTCTCTCTCTCGCAATTAATCTCTCTTTTGTGACTCTTTTGGCCACCAGCAAAACACCGAAACGCCA
 TCATGCAATCCCAGGTGCGCCAGAACTTCAACAGCGACTGCGAAGCCGCATCAACCGGATGGTGAACATGGAGATGTATGCCCTCCTATGTCTACCT
 GTCCATGTCTTACTACTTCGATCGTGATGACGTGGCACTCCATCATGTGGCCCAAGTTCTTCAAGGAGCAGAGTCAACGAGGAAAGGGAGCAACGCCGAA
 AAGTTCCTCAAAATACCAAAACAAACGTTGGGGCCGTGTCTTTCAGGATATCAAGAAACCCAGAGCGTGACGAAATGGAGTAAACACCTTGGAAGCCA
 TGCAGGCCGCTCTGCAACTGGAGAAAGACCGTGAAACGAGCCCTTGCTGGATCTGCACAAAGCTGGCATCCGATAAGGTTGATCCTCAGCTCTGCCACTT
 CCTTGAATCTGAGTACTTGGAGGAAACAGGTGAAGGCCATGAAGGAGCTTGGAGACTACATCACCAACCTGAAGCGCCTTGGGGTGCCGCAAGATGGC
 ATGGGCGAGTACCTGTTCGACAAAGCACACCTTGGGGGAGAGTACN

Q9925237.Seq

TNNAGTTACTTGTCTTTTGCAGGATCCCATCGATTGGAATTCGTCGACCCACGCGTCCGCAGAAAAGCTACATTAAAGATGATGAGAGAAGTCTG
 TTAGTTACCTGTGTAAAGTGTGTGTCCAGGTTCAATCAAGTTGTTATGGCGTTCCTTCCCATGAAATTTCATGATGGATGGTGTGCTCGGTGTA
 GAATTGGAGTTTGGGCAGCAGAAATGCTCTTTGCAACTTTCGAGAGAGGTGCATTAAAGCAAAACAAGATGATAAGTGGGCACATGTAATGTGTGC
 TATTGCTGTCCAGAAGTCAAAATTTCAAAAACCTGACCGAAAGATCTGAAAATAGATACCTCTACGATTCCCTCTTGAAGATTAAAACTGCCGATGTGTT
 TTCTGCAGAGAAAAGATTAAACAGGTTTCTGGAGCATGCAATCCAGTGTCTATATGGGCGCTGTCCAAACATCGTTTCATGTGACCTGTGCTCATGCAG
 CCGGTGTACTGATGGAGCCCGATGACTGGCCCTTTGTAGTGTATACGACATGCTTCAGGCACATGATCAATCAGAAATATGAGAAAGTAAAAATTGTTAA
 GAAAGCAATATCCATTGGTCAAACTGTAATCGCAAAACACAGAAACACAAGATATTACAATTGCCAGTTAAAGAAATGACATCCCAAAACCTTTTAT
 GAAATTGTGTTTGATGGATCTACAAGCAAGACACTTTTCCCTG

Q9925238.Seq

TNCAGTTCTTGTTCCTTTTGCAGGATCCCTCGATTTCGAATTCGTCCGACCCACGCGTCCCGCGGAAATATGAGTTCGACGGGGGATGAGATCATTCGTA
TCGCCAAGAAGATGGATCGGATGGTGCAAGAAACACCGTAGGAGCTCTGGATTATTTGAAAGAACTTAAAAACCTTCCATATGACATTGGAGCT
GCTTCAGTCCACCCGAAATTGGAAATGCTGTGAAATGCCATCCGTAAGCAAAAGTGGGAAAGACGTGACTTCACTAGCCCAAGGCTCTCATCAAGTCC
TGGAAAAAACTGTTAGATGGACCAATCTGCTGACATGGAGGAAAGAAAAAGATCAACCAGCTCCCTGCACAAAATAGCCCAAGAACCCCAAGAGAGA
ACAGTTCAGCACAAAAATTTTGTGTCCAGAAAGGATGAATTTCTGTCTCCTTCCGATGGTTTCACTTCTTTTCCCAAGCACCCCATTTACTTCAGA
TTCAGTAAGAAATTAAATGTCGAGAGCTACTGGCTGCAGCACTAAAAACAGGAGATGACCACATTGCCATTGGTGCTAATGTTGATGAACCTTGGTGCT
CAGATCGAGGATGCAGTTTTTCCAAAGAAATTCAAAAACACAGAAAGCAAAAATCCGAGAGCAGAAATTGCAAAACCTCAAGGATGCAAAAAA
TCCCAACCTGAGAAGAAATGTCTTTTGTGGCAACATTGCTCCTGAN

Q9925239.Seq

TCNAGCTCTTGTCTTTTGCAGGATCCCTCGATTTCGAATTCGTCCGACCCACGCCGTCCGGCCGGAAGTGAGTCTGAGGGAGAGCAGCATTTGGTAAAAA
 TGTCTGTGTCAGCATCATGGTGGAGTATTGTGAGCCGTGTGGGTTTCAGGTCCCACTATGAAGAGCTGGCAAGTGCCGTGAAGGAAGAAATTTCTTGACAT
 TACCATCGAGTCCGGTCCCTGGTGAACACAGGTGCCCTTTGAAATTGAGATCAACGGGCAGCTGGTTTCTCCAAACTGGAGCTGGGGGGTTTCCCATAT
 GAGAAAGATCTCATTTGCGGCCATCAGAAAAAGCCAAAAACGGGGAACCCGTGGAGAAAGATCACCAATAGTCAGGCCCCCATGTGTATTTTATAAATCT
 CCAGGTGCCAATCTTTCTGACATAAACGCTGTAATGAATCGAATGACTTGTAGCCGTAGCATTTGGCTTCTCTCAGGTCTCACCTGTAAAGTCCAGCCT
 GATGGTATGTTCCAGCCATTAAATAGGCCCCCAACACACAATAAATACTAGAAGACTTCAAGCAATAGAAATATATATAAGGAGAACAAAGATTACAGATT
 AGACTTGTGCTCCTTACAGTCATGCTTTTGTGTAGTCGTATGCAATTGNCCTTTATGCTACTCCTGGATTTCATATATATATGTGTNTGACTAAAGCAGAT
 CAGATTACCTACAGCTATGTCAATTGAGAATATTT

Q9925240.Seq

TTTGAAATCCCGTTACTTGTCTTTTTCAGGATCCCTCGATTTCGAATTTCGTGACCCACGCGTCCGATGAACCTTGTGCAAGTGCTCGCTCTCAGCA
GCAACAGTGCAATATGGACCCAGACAGAAGTGATCAAGCCCAACACCCCTGGAAGAGCTGATCCAGATCCTGCATGAGATATTTGCCAGTGATAAAGTG
AATATAGAGGAGTGCAGAACATAGTGGAGTCCCTATGAAAGCAACCCAAAGGAAATGGATGAAATTTGCCAAGTTTGACCAAGTACAGGTACACCCGAA
ATCTTGTGGATGAGGAAATGGAAGTTCAATCTAATGATTTCTATGCTGGGGAGAGGACATGGCAGCAGTATTCATGACCATGCCAACGCCCACTG
CTTCTTGAAGATCCTTCAGGGAACCTCAAAAGAACTATGTATGAGTGGCCCCCAGAAAGAAAACAACCTGTGAGATGGTGAAAAAGGCAGAGGTGT
TTGAAGCTGAATCAATGTGCCCTATATTAAACGATTCCATTGGCCTCCATCGTGTAGAGAACCCCAAGCCACACAGAGCCTGCTGTAAGCCTCCATTAT
ACAGCCCAACCATTTAGTGAGTGTACACACATTTGATCAAAAGAACAGGACACCCCAATTCAGTGAAAAATGACATTTTGGAGCAAAATATGGAGACAGGAC
TCCCTTTGCAATTGCACAGTCACAGGAAAAATAATTAAATTGGCTCTT

Q9925241.Seq

CNAGTTCTTGNNTTTTGCAGGATCCCATCGATTTCGAATTCGTCGACCCACGCTCCGGCTGCGTGTGCCGCTCAGCTGCTGCTCGGCTATTGCCT
GGCCCGACGCCCTCGGAAGCAAGTGTTCGGCCACTGACAGATGGGTGCTCGTCTGGCTCTTTTATGATGCCATTGTGCATTTCACTTGAGGGTCCC
TTTGTATTCTCTCCTTAACAGGACCGTGGCATCGTCTGACAATACTCTGGCTCTTTATGAAAAGAATATGGCAAAGCAGACACCCGCTGGCTCC
ATTCTGATCCCAACAATTGTATCCCTTGAAATCCCTCACTGTTGTTTGGATGGACTTCTAGCCTTGCTTCTCATTTATGCCATTATCAAGGATAAATA
CTACAGGCACCTTCATTACAGATTACTCTGTGCGTGTGTGAGTTATAATGGCGGATGGATGACCTTTTGTCCAGATTTTGCTAAATCGGAAGCCCCAGCCTC
AACACCTNCAACTGGCTTTTATCTCTGGGTCTACTTAGTGTCTTTTAAATGGCATTTGGGTTTGTATACCTGGACTCTTACTCTGGCAGTCTTGGCTGG
AATTGAAAAGGATGCATTCAACAACAAACGANGCCGANGAAGGAAACCATTTTATTTTCGTATATGGATTCAATCCCCTAATTGG
ACCAAAAGAAATATNCCACTGAAATTCTATTT

Q9925242.seq

AAATCNAGTTACTTGTCTTTTTCAGGATCCCATCGAATTCGAATTCGTGACCCACGCGTCCGCGTTCCAAAGCACGTTGTGCTGGCGCTGCACTGG
GATCTGGCAGCTGTACCGAGGAGAGGTTGTGTGAAGGCTACGCAGCATGGCGAGCAAGGAACTGCCCTTCGCTACGAGGGTTGCAACTTCTTCA
GACAGAGGATCGTTCTGTCTACTCTGAGTGGAGGCCAGTAAAGATCCAGGGCAATTCGAGTTAAAGACGAGAGCCAGGAATCAGGGATTTTGAAGC
AAGTTTCATCAGACTAATGGATAAAATAACAAACGGCACGAGGATCGAGATCAACGAAACTGGTACCTCTCTGTACTATCAGCCCGGGCTTCTCTCT
GGAGGAACCTTGGAGCATGACTGCAATATACCTGGCTCTATCGGCTATTATTAGAAAGTCTCTTTTGCCTAGCTCCTTTTATGAAGCACCCATTGA
AAATCACCCCTACGTGGAGTCACTAATGATCAAGTGGACCCCTCTGTGACACACTGAAGGCTACAGCTATTCCATTATTGAAAAAGATTGGTATAGA
TGGTGAGCATTTTGAGCTGAAGGTATTAAAGAGAGAGGTATGCCCCCAGGTGGAGGAGGGAGGTAATCTTCTCATGTNCAGTAAGAAAGCTTTTAAAG
ACCTGTTCAATTGACCGATCCTGGAAAAATAAAAN

Q9925243.Seq

TCNAGTTACTTGTTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGCAAGAGAGGGGAGGCCGAAGCCGTAGCCGCCATTT
 TGGATCCCACCGAGCTGTGGACGGAGAGCAGAGAGGCAATTTAATAAGATTTCGCCAAAGCCTATGCAACGAAACAGTTGGTTAAGTCGTCCCTTATT
 CAGGAGAGAGCGGACCCGTAATTTAGAAAACAATTACTGAAAATACAGTAACGTTGGAAGTATAGACCCCAAAACAAACCCGAAGCCGGAAGCGGCTC
 CCTCFACCATTCCTCCATCCGTCCTGGGGCGGTAGGCTGTGTACCAATGCACTTAGGAGACATATTGTCCAGGCACCTAGAAATCACAGCATCAAGTGT
 AAGACCCCTGCCCTGTCAAAATAGGCTATCATCGACTATCTCTCAGGTGCCCTGTGTCAAGTCACTCGGCTTCTGTGAGCAAGAGAAAAGAGCCCTACC
 TTCTTAAAGTATGAGGAGAAACCATCTAGTGAAGGAAACATGGCAGATAAGCGAAAACCTACAAGCGGAGATTGATCGGTGTTTGA AAAAGGTTTC
 TGAAGGCGTGGGAGCAGTTTGAAGACATCTGGCAAAAGCTTCACAATGCAGCTTATGCCAACCCAGAAAGAAAAATATGAAGCAGACTTAAAGAAAGA
 GATTAAGAAGCTTCCGAGATTGCGGGACCAA

Q9925244.Seq

TCNAGNTCTTGTTCTTTTGCAGGATCCCATCGATTGGAATTTCGTTCGACCCACGCGTCCGGCAAGCGTACGCTCTCCTCCAGCACTCAGGCTAGCA
 TTGAAATTGATTCTCTCTATGAAGGAATCGACTTCTATACCTCCATAACAAGAGCACGTTTGAAGAACTCAATGCTGATCTCTTCAGAGGTACCCCT
 TGACCCCTGTTGAAAATCACTTCGTGATGCTAAGCTTGACAAGTCTCAAAATACATGATATTGTATTGGTGGTGGATCCACCCGTATACCTAAAAATC
 CAGAAACTTCTTCAAGATTTTTCAATGGAAAGGAGTTGAACAAGAGCATCAACCCCTGATGAAGCTGTTGCCCTATGGTGCAGCTGTACAGGCAGCCA
 TCTTATCTGGTGACAAGTCAGAGAATGTTTCAGGACCTCCTGCTGCTTGGTATACCTCTATCCCTTGGTATTGAGACAGCTGGTGGTGTCTCATGAC
 TGTTCCTGATCAAGCGGAAACACAACCATTCGCCACAAAGCAGACACAACATTCACAACATACCTTGACAAACCAGCCTGGAGTCTTAAATTCAGGTATAC
 GAGGAGAAAGGGCAATGACCAAGATACAACTTGTGGGTAAATTGAGCTGACTGGCATCCCTCCTGCTCCCCGAGGTGTTCTCCTCAGATTGAGG
 TGACTTTTGACATTGATGCCAATGGTATCT

Table 2460T650

Q9925245.Seq

TGAAATCNCGNTCTTGTCTTTTTCAGGATCCCTCGATTGGAATTCGACCCACGCGTCCGACCTGACTNGGAGATGAACAGGGAGGTTTAT
NNAGTAGNTTACCACATNGNTGCTTNNCTAACNCGGAANATTATCCAAGCTNATCANACCCCTTCAAGGCATAANGAGCCNNCNAGCTGAAACTN
TNCGNTGGTAACAAACNTCTGTACTAAATGAAGAAGGGGATGGCTTCTCTTTAGATCTACCCCTGCTGGACTTACAAGGAAANACCATGTNACAG
GTTCACTCTATACAAAATGCCATATNTACTGNATTATTCTGGCNTGGNTCCATGCNGTAAAGAACTAAATGGATNTTAAACANCCAGCANACGTTGACTC
CNAACCTTTCCAGANGACAAAGTACAGGTATGGGATGTGTTATCCAGAAAGNTCAGAAATTACCGGAAATTGTNATCTATGGTTTGAACTAAATNAANN
CACAAATACATTGNTTTCATAAAATTAATTGCTTTGCCATTTTAGTTTTCTTACNNGCNGATAAATTTAGTTATAACAATAGNTGTCGTTTAAAAAT
CGTTGTTGAGACTTTCNTANACAAATCAANACTNGTGAGAGANAACTAGACTTAANTATGATNNGNCTAAAAATTTANTTTAAAGCTGNAAAAATATGCG
AAATGCTGGTTGCCCTGACANAAATGAACACTGA

100220 24607660

Q9925246.Seq

TCAAGTTACTTGTCTTTTTCAGGATCCCATCGATTGGAATTCTGACCCACGCGTCCGCATGAAACTGCCCCCAAGGTGGATGGCCAGGTCAC
CTACGTCCTGGATCGATGGCACCGGGGAAGGAGTAAGGTGCAAAACCAGGACTCTGGATCAGGAACCAAAACCATAGATGAAATCCAGAAATGGAAC
TTTGATGGATCCAGTACTTACCAAGCAGAAGGCTCAAAACAGTGACATGTATCTTGTCCCAAGTCCAGATGTTCAAGAGACCCATTCTGCCCTGGACCCCA
ATAAGCTGGTTATGTGGAAGTCTTGAATAACAACCGCAAGTCTGCAGAGACCAACCTGCGGCACACATGCAAGAAGATCATGGAGATGGTGGGTGA
TCACCGCCCATGGTTCGGAATGGAGCAAGAAATACACCTTGTGGGCATTAAACGGGCACCCGTATGGCTGGCCAGAAAAATGGCTTCCCTGGGCCACAA
GGTCCCTATTACTGCGGTGTTGGGCGGATAAGGTTTATGGGCGGATATTGTGGAGGCTCATTACAAGGCCTGTCTGTATGTGGCATCAAGATCT
GTGGCACCAATGCAGAAGTCATGCCCTCTCAGTGGGAGTTCACAGGTGGGTCCATGTGAANGTATCGATATGGGGGATCATTTGTGGATGGCCAGGTT
CATCCTTCATCGGGTCTGTGAAAACCTTCGGG

TOE240" E460T660

Q9925247.Seq

CNAGTTACTTGNCTTTTTCAGGATCCCTCGATTTCGAATTCGATCCGACCCACGGGTCCGCAACAAAGCAGACGTCATTCTAAAAATACA
ATGCAGATGAAGCCAGAAGTCTGAAAGCCCTACGGAGAACTTCCAGAACATGCTAAATTAATGAACACAGACACATTTGGCCCTGGTG
ATGATGATGAGATTCAGTTTGGATGACATTGGAGATGATGAAGATAATTGATGATATCTAACGCAAGACGAATATTCATTCCTCCAAA
TTCCAAGGATTTTTCGGCTATGTTTGTGTTTGTGAGTGTGCTGCTTCTAAAGAGATGATATTCCTCACTGAATAAAATTTATTTTCAC
AGTTTAAATGATTTTATTTAATTCATTTAGGTAGAGGTCAAAAAGCTTGATCTGGAAAATCGGAGAGGTGAAATTTTAAATTCCTAACT
TGAGCTGCACTATTGTGCTCTGCCCTGTATAAAACGATGGGGACATGCTGCCCTTGGAGCTGTTCTCCACCAGATGAATCCACTACTA
CACCTGGTCTACACAGTGGTTTTTAAGTCTCTCTATCATGATTGCTTGGATACCTTGTGGATTAGGAGATTTCAGTACCTGTCCACT
GCACATGCCCTTGNCCATGATAAATTGTGCTGNGTCTGAAAACCTGTTGCATTTTACATAAATCCCCATTTTATACCAAGTTAAAT
ATTCAAGATACCTGGATCCT

702240"24607660

Q9925248.Seq

TACAAAGNTCTTGTTCTTTTTCAGGATCCCATCGATTGAAATTCGTGACCCACGGTCCGATTCTCCGCAGGGACCGTGCATGGG
CATGGTTCCGGCATGGACCGGATGGGTATAGAACTTATGAAGCGCTAAATAATTTTCCATCATAATGGACGAGATGTTAATG
AGACAGTCGAAGCCATGAGAGAAATTTCTTGAACAACGACAGCTGAAGACCCTTATGCTTCAGGAGAAAATGGCTCTCGACTATC
TTTAGCATCAAAGGGGGTTTCTGTGAGTTCTGGGAGGATTGCTGTACCTGGGTGGAAGATACTGGGGACAAGGTTCAAGCCCCATC
TTGACAAGGTGAAAGAGTTACAGGGACAAGCATGCGCTATTGCAGAGGAGGGTTGGAACCCCTTAAAGGTTTAGGGGCTTCGGTG
ATAATGTTGGTTTCTATTGGATCATGGCTTAAAGAGTTNNANGATGNNCTGATGCTGNTNNGNNTTTTNTTNNNNNNNTATNT
NNCNGNNANAAATGACCTGTNGNTNGGNGNNNTNNNGTNCNAANNCCNTCINNNGNNTNGNNTNNNTNNATTNNNNNAGNNNN
NGNNGAANNNTNNNNTNCNNTTTT

Q9925249.Seq

TNCCGTTACTGTTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCTCCGCTGATTCTTTCATTCCATGTTTCAT
TGGCACCAATTGGAATACAGGAGTCTCCGGCGCATTTCTACAAATGTCACTTGGACCATCAAGAGAGTGTATGTAACTTAAAAAAA
CCCTGAAGAAGGAGACATAAATATCTGCAATGGAGAGACTGTTAGTGCTTTCCCAAGTCACCGTCGTCCTAGTGTGGACTACTTA
CACATTGCTGTACACAGAAAGAATTAAATCGTCATGTTGGCAACATACTCAATAATATGGAAATCAAGGATTTGGGAAAAGGATCC
AGCTTGCAGCGTGTAAAGGATCAATTAGGTGTCTGCAAAAAGTGATCTCGACCTGAAGCAAACCTTGATGTTGGCATTCGTGCCAGAGA
GAAAGTTGCCATGTTCAACTGGAAAATAAATTTGGAAACATTTTCTCCTCCCGATTATCTGGTAATGTAAATCTTTGGTGCAACTGGA
CTATTATAGCAGGCCCTGGGAAACACATAGTTGTTTACATCAAGGATTCAGGCTGATGCAAGCTGTGATGAGAACTGGGATGAAA
TCATTTTGAAGGTGTATCTTCAGCGGTAGAAACACAGTGTGTTGCTGTAAGCTTGTGGAATAAGAACATTTCATGTATTTTCAGCCCCANG
CAACAGCAGTACATGTT

702240 24607660

Q9925250.Seq

TNCAGTTACTTGTCTTTTGCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGAGAACAGTGGAACCTCGAACTGGTCG
CGTTTCATTCTTTACTTCTGGATCAGAGAAATCTTCAACGGGTGGAAAAGTGAATTGGGGACGCGATATGCTATAACCATCTCTTT
CACCTGGGATCCTGAACATGCCATCGGGACCCCAAGCTGGACATAACGCCCTATAACGTCACTTCTTCTCATTCTTAACCCCTGC
CAGGACGATGAACATCTTTCTGCAAGCTGCTCATCAATTGCAATCAACAATACTAGTAACCAATTACTGATCAGGCTTATGGTG
CTTAACAGGTTGACCAAGTAGACTCAACCACATCATGAGGGGATGTTCTCTCCCTTCCCTTTCTATTTTCTATATTTGCATC
ATCTGTAGCAGACAGAAAATTTTGCAAAAAGATGTCAACTGGCAACAATTTTAACTTTTCCCAAGAAGCTTAATAATTTT
TTTATTGATGAAATCAGGTTTAATGAGTTTGATGTCTGTGGCATACCTCTTTCTGTGCCACAATAATCCTCTGATCACATAAC
AGATGGCACAAAATGAGTTAGGTCATACAAAATCATTCAGTAATCTGGTCACTTTGTTTCTTTTGTGATGAATGGTTTCCAAAGGAC
TGNGAAAACAAAAT

402240 E4607660

Q9925252.Seq

AAATNCAGNTACTTGTCTTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGAGGAAGCAGAAAGTGGCACAGGGT
GAAATGAGCGCACAGATGCCAGGAGGCAAGGAGAAGCAAGAACTGCTCAGCACACACCCAGTAACTGCAACTTTATTGCTCTCCTG
AGCTTCTGAAAGGGGCAACATGGATGAGACCGAGCTAAGAAATGTCCTGACATGTATTCTGTGTGATTGCTGTGCTGTGCTGT
CATATGTATTCCCAACTCTCTTTTTTGGATGGATTTCCTTCCCTGGAACACACCTGAGCTGGTTGTGCATCTGCTCTTTGTGTGTTAT
AATCGTCAATATCCTCTTGTCTTAACGCTGAACCAAAATGCTTCTCCAAAAGAGTTCTCTTGCAAAACAAAGTTCAACAAAGCTCAC
AAAGTCCTGCATCTACTTTCTGATTTCCCTGCTTCCCTCTTTCACGGAATCATAGTCCTGTATGGTGTCCGCTTGTGAGAGTGTGGC
AGANACCTTTCTGTTTGTGTCTCTTATCATCTTTCACTACTTCACGCTGCCTCTGTCTACTAGGACCAAGCTTTCCTGCCCTGGCTC
AGAGTTTTCAGTAAAGATGGGGCGTTGTCCGTGTGGGATCAACAGCCTCCAAATTAATACTGTAAAGCAGTGTGGTGGGCGCTTGGC
TCGGGCATTCCCTAN

TC229*Eh6BT66

Q9925253.Seq

AATCAGGCACTTGNTCTTTTGCAGGGATCCCATCGATTTCGAATTTCGACCCACGCGTCCGACTCGTTGATTATTCTCAACAAAT
CAAAAGACATTGGCACCCCTTTACTTAGTTTTTGGTGGTTGAGCAGGGATGGTCGGAAACCGCTCTTAGCTTATTAAATTCGAGCTGAA
CTTAGCCAGCCCGGAACACTACTTGGAGATGACCAAAATTATAATGTTATCGTTACAGCACATGCTTTTATTATAAATTTCTTCATA
GTCAATGCCATTATAATCGGNGGATTGGGAACGTGATTAGTTNCATTAATAATTGGAGCCCCCAGATATAGCATTTCCGCGANTNGAT
NATAAAGCTTTTGACTTCTTNCCTCATGATGNNNTNCCNTTNCAGCNTGATTGNGGTTGAANNAGNNCCCTGNTCNGGTNGAG
NNGNGTTNCCTTNANCTANANANGTAGNNCMTGGNGGAAGATNTNTTGGGNTTGNNNNATTTNNTNAGGGGGGNTNNTATNAAN

Q9925255.Seq

TGAAGNCCCGTCTCTTGNCTCTTTTGCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGACGATGATGATGAATAAA
AGTTGTACATTCCTGTCCATGTGAATACCATAGAGTAGGGAACCTGCAGTCAATGACTCCATCTTGAATAAGGTGGTCAACTTGCCCT
CATTAGGTTTAATTGCAAAAATTTGGTTATGGAATCTTAGTTTCAGGATGCTCTTGGAAATGTAAGTGGTTTACCTTAAGTAGCCGT
GCGTGGTAAACATGAGCAATATGAAACTGTCAAAGCTGTACATATTTCCAAACTTTTAAAGAAAGGCGCTCTGGTGTCTCCTC
ACTCTGTGCACTTTGCTGTTAGTGTAACAAAGCATTAAAGATGTTTCAAGCATTTTAAAGGTGTACTTAAATGGTTATTG
GTTAGAAAATCCTGGGTTATGAACTGTACATATCTGTAACTCTGTAACTCAATTCCTATGGTGCAATATTTCTTGGAGCTCTT
GGTACCTCAGGGATTACAAACTTCCCTGGACTAGGACACCCCTTCCAAGGGCTGCCCTTCTAGCCCCAAAGCATGCACATGAAAT
CAACTTACACTACATTGAACGTCATTTAGCTTAAAGTTTGGCTTTCTGTATATAGGGATTAGCATTTCTGCCATTGGTTGTCGAGAG
GGGTTTCANCTGGCATGAGTTAAN

TE040 E460T660

Q9925256.Seq

ANNCCNTTTTGATATNCNNGTCTACTTGTCTTTTTGACAGGATCCCATCGATTTCGAATTCTGTCGACCCACGCGTCCGAAAAACAGCA
CATGGAGTTTTTAATCAATTAAACAAATTAGGGTCGGGAAGGAAAATCTGACAACTTTTTGTACAAAAAGGAATTTGTTTTCTCGCCT
TCCTGCTCCTAAATTTGCATATACAAATTTAGCTGAATCTTTACAAAGGATCTGAGGATTAGACCAAAATCCCAATTCTACTTCTTCC
CTTTGGATTTCGGTTTGGTATTCACTGTGAATCTTTACAAAGGCTTCAGGGATTGGTCGAATCCCAATTAGTGGATTGGTGCAATCC
CTAAGCACAAAGTAGCACTATTTGCTTGACATGGCCACCTATGTGTGGCAAATGCTGGTCAAGGAGCAGATCACAATGGAGGCCCCAA
CGCATTGATGTGGTCTCAGCCTGATGGGATTTTCTGATCGATACTCTGGCCAGCCATCAGCCTATGTTTTCTGGAGGAAGTTGGAGA
GGGCCCATACACAGGCAGATTAGCTGCCAACTTGAGGTGGCCATACACGATAAGATCCGATCATTTGCCAAACAAAGTGGATCTTTCC
CCGATATGCCCAACCGGAGGGGACATCGGGTTAATCTGAAAGTTTGGCCCTAGGGCTGAACAAATCGGATTGCAATGAATAGAA
TGGCGCGTGAATTGCTCATAGGACCACATCAAAATAGN

Q9925257.1

AAATNCAGCTCTTGTCTTTTTCAGGATCCCATCGAATTCGAAATTCGTCGACCCACGCGTCCGGAAGTTAACTTTTAGTATAATTA
 CAAAACAGTATACGTGTGATTTTTTTTGTGTTCTGAAGATATAAACAATTTATTTTCAATAATATTTACTTTTCATGGTATTTTGC
 TAAAGGAAAGATTAGATGGAATTTTGTGTTTGAATTTGTAAATGCTATTTGTAATGAATGTCACATGGAGGCAAGCAAAATAGCT
 TAAAGTAAATAAAATGTAAGGTACTATTGCCCTGCAATTTGTTAAAGTTATGTAATTTTGGATTATATTGGAAGGTACTTAGGGTGA
 TGGGCTTTGGCCAAAGTTTCTATCAATGGGGCAACTGCTTTTACATCAAAGAGATTGCACTGATCAATCTTGAAAAAACCGAAAAATCTC
 CCTTGTGTGCAATTAACAGTGGTACTAGACACGGTTGCCCTCCTGCAATTTTCCTTGGCAATTGAGCCCTTCACTGCTGTAGTCAGAC
 AGAATCCCATCAATAGGCTCGGTCTCTCAAGCTGGTGTGCAAGAAACAGTTATATATGGATGGGGGGGGGACTGGGGGCGCTCGCT
 GTCTGAGCTGGTTGCACTTACTGACCAATTTGGGGGGGGGGNTGTGGGATTAAAAGTTAGCCTTTGCAAGTCTACCTTTTNTAAGT
 AGATTCAAAAATCCCAGAAAGG

Q9925259.Seq

TCCCGTTTGATAGNCCGTCTCTNGGTCTTTNTGCAGGATCCCATCGATTTCGAATTCGTCCGACCCACGCGTCCGAGAAAGATAAAAGTA
 ATGTTCCAAACTCAGAAATCAAAAGAAGTTAATGAAAAGCTTAAAAGAGAAACCCGAACAAAGAAAATCTAGGTTTCACTCTCCGTCAA
 CAACATGGTCTCCTAGTAAACCCGATATTAAAGATAGACCAAGATCTCGTTCAAGATCTAAAGTAAGGACTCTCCAGCTAAAAGGA
 GGTCTAGAAACACACAGTAGGGACAGAGATCGAGACCGAGGTGGACAGTGGAAAGGTGGAAGTAGAGACCGTAGACATAGGAGACAGT
 CTAGGTCCAGATCTAAAAGTCGTTTCAAGTTCAGGTCTGGATCACGTCCCANAACCTAAAACCGATTTTCTGCACCTGATCGAAAACAATGATA
 GCCATTCTCCACACTGGAAGACAGGCGGTACATGAAAACCTGGAGAGGTCTAGAGGACATGAAAGATACAGAAAGAGTGAATAATG
 AAAATCTGTTGAGCATTCAGGGCGGAATGAGCAGTAAAGTCAATGAAATATTACGACCGAATGAGCAAGCAAAGTCTGAGCACT
 TGCAATCGAAGTGAGACAGAAAAGGTTGAATGAAAGCCCGATAAGCACAGTGATCTTTCCCGGAGAAAATGAGTCTGAGAAGACTGGC
 GACAAATTTCAACTGAAGGATTGAAACAAAATAAT

702249 E460T660

Q9925260.Seq

TGAAATCNATCTCTTGTCTTTTTGCAGGATCCCTCGATTCGAATTTCGTCCGACCCACGCCGTCCGCACGTGGATAGAAATGTTACACAA
GTGAACGTGGGAAGGAGTATCTACAAATGTTTCTAAAGGCCATTGACATTGGATATGCTTGCCTGGCTAGTGGATGATGAATTGAA
GGGAGCAAAGTAAACATTTAATCTCGCACCCATGGCCCANATGAAATCCAGTGGATCCCATTATGCCCTCACTGCCATCGGAGCGGG
AATGCTTGTCCCTGGGAGTGTGTCATGGCAGTGTGGAACCTTGGTACCAGTATCCTCCACAGGAACAGCAGTAAGCCAGAAGTCCCCTAC
AGAGACAAACTTAAAAAGCAAGTCTTTTACAGTGGCCTATGTTCTGGTGGGTCCGGCATTTGCATTTCTATTAAATCGCCATCTGTCT
AAGTATTCGAAAGTAGAAGAAAGGAGGCAAGTATGGAGGACACTAGAAATCCCTCATGAAGAACCTAATGTTGCCACAAGCGGAACAG
TGAAAGTTCAGAACTGGACATTCAGGATTTCTGCACCCAGCTATGATGAAGTGTGAGGATTGGATATGAAACGTCAAACACAAG
GGCACCAAGAAGATCATGACGGAATCCCCATGTCTCTTCTTTACGAAGTCTTTAACAGAACTTGATGAATCCGCACCAACCAAGGCC
GATAGCTGAGCCCCCCCCGCAANGAN

746340" 24607660

Q9925261.Seq

AAATCNAICTACTTGTCTTTTTCAGGATCCCATCGATTGGAATTTCGTGACCCACGCGTCCGTCATACGTCAATGCGCTT
ACGTGTAGTCGTGACGCCACTCTCGCGGATGAGACTCGTGGGTGGGATTTTGTGGAACACTGCAGGAAGAAAGCTTGAAGTTAA
CAGCATTTGGGGAAGTTGTTAGAAATACACAAGCCATGGATATTCGGCCAAATCACACTGTCTACATAAACCAACCTCTGTGATAAAG
TTAAGAAACCAAGAGCTGAAGCGGTCAATTGTACGCGCTGTTCTCACAGTTTGGCCATGTGGTAGACATTGTGGCATTAAAGACCATGA
AAATGAGAGGACAAGGATTTGTAATAATTAAAGAGCTAAGTTCTGCAACAAATGCTCTCAGGCAGTTACAGGGCTTCCCTTTTATA
GTAAACCAATGCGCATCCAGTATGCAAGAAGCTGACTCTGTATGTCGTACTAAAGATGAAAGGCACATTTGCTGATAAAGAGAAGA
AAGAGAAGAAGAAAGCCNAAGCAAGAACAGGCAGCTAATGCTGCAAAATAAAAAGCCTGCTCTGGCACCCGGAATGCAAAATAATGTG
CCATCAGCATCCCAAGAAATCCACAGGTGCCGGAACAACCTNCAAAATTACATNCINTTTNTAAATAACTGGCTGAAGAGACCAATGAGA
TGATGCTTTCTATGTTATTTAAACCAA

Q9925262.Seq

ANCCCTTTGAAAAACGAGCTCTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGTCCGCTCTCTGCTT
TGCTGGTTCTAGTTACTGATAGCTGTAGGAGCTTTGTCCGAGGAAGTCTTTTTTCTCGCCTGGTTATTTGTGGCCTCGATGGGT
ACAGATTCGTAAATGCTTTTAAAGAAATACAAACAGCAGAACAGCGCAGAGTGGCTCCATCGAGAGCGTAGGACTTGTCCCTCTACTT
ACCAGGCTTCTATTTACCGGCGAGCCCTCCTTGGAGTGAGACTGAAGCTTCTTTTATAGTTATCCCCATCTCTTACTTGTCCATT
TTTTGCATAAGTTGCATTTTGAAAACCGAATAATTGCAAAAATGAACAGCTTCAGCAATGACGACTTTGACTTCAGCTTCCCTGGAGGA
AGGCTTCTCTGCCAGGGATACTGTGGAGCAAAAGATCAATGAAGTGTCCTTATCTGACGACAAAGATGCCCTTTTATGTTGCTGATCT
TGGCGACATTTGTGAAAAAAGCATGTGCCGTTCCTGTTTAAAGCGCTCCCCGTGTCACCTCCGTTTATGCCGTAAAAATGCAACGATGG
CAAAGCCATTGTGAAGACTCTCTCATTTCTTGGTGCCGGCTTTGACTGNGCCAGTAAGACTGAAATCCAACTAGTACAGAGTATTGGA
GTTTCCCCCGAGCGGATTATCTATGCCCAACCCC

402240" E1607660

Q9925263.Seq

ANATACAAGCTACTTGTCTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGTGCAGCTTGAGCCTAGCGGTCC
CTAACGTAAACACCGGCATCACCATGACTGACACAGCCATCTCCTTCGCCAAGGACTTCTTGGCCGCGGTGTGGCCGAGCTATCTC
IAAGACCGCTGTAGCACCCATTGAAAGAGTCAAGCTTCTACTGCAAGTCCAAATGCAAGCAAAACAGATCACCGCAGACAAAGCATT
CAAGGGCATCATGGACTGTGTTGTCAGAATCCCCAAGGAGCAGGGCTTCAATGTCTTCTGGCGTGGTAACCTTGCCAACGTATCCG
TTATTTCCCAACCCAGGCCCTCAACTTCGCCCTTCAAGGACAAAGTACAAGAGATCTTCCTGGACAAACGTAGACAAAGAGACCCAGTT
CTGGCGCTACTTTGCTGGCAACCTTGCTTCTGGTGGTGTGCTGGTGCAACCTCCCTCTGCTTGTCTACCCACTTGACTTTGCCCG
TACCCGTCTAGCAGCTGATGTGGCAAGGAGCTAATGAGCGAGAGTTCAAGGCCCTTGGTGATGCTTGGCCAAGATCTTTAAATC
CGATGGGCTCAAAGGCTTGATACCAAGGTTTCAACGTATCCGTTCAGGGCATCATATCTACAGAGCAGCTTATTTTGGAAATCTATGA
TACAGCTAAAGGTATGCTTNCAGA

Q9925264 . Seq

GTTTGAANTCCNNTCTACTTGTTCTTTTGCAGGATCCCATCGAATTCGAATTCGTGCAGCCACCGGTC CGNAGATTCTGNCCATATA
 AGGATCCAGCACAGGAACGGNAGGAAGACTCTCACTACTGACAGGCATACCNGATGCCATATGATAAGAAGAAACTCGTCAAGGCT
 TTTTAAAAAGAAANTTGCCTGCAATGNAACGGCGNTGANCA TNCANAATA TGGAGAGNGATTCACTCN CAGGNNATCAGANGAAA
 AACGCC TGN CAGTTNTAA TGGAGGTTGNATTGNC TAAANAAGAC CANNNNAAGGTT CAT TGGNTTNAATCAT CGGNNAGTATNTGG
 AATT TNGCTTTANTCCCTACNTTAGGGANTCNTTNC TCCAACTTCCCTTGTTNNCAAGTTTATN CACANACCAGANTGTACCN TGN
 TGTATTGTGAGGGTGA TTGNGTACAAATAGTGN TACTATTTATAAGACTGACCATGTCTGCACAAAGTCTCTGGCCTTNCAGCTGNNA
 TGCTTCTNCACTGNTGCAGTAA TGGATCCTCTANTGN AACGAAACATGACTTTTCTCCACNCCAAACTGGGGANCTGACATGAGCCT
 GAAGTCTCTGCTGCTTATGATGGAAACAGTAANANAGACACTCGGGTCNNGTCCGCGAGTGCTCCNACAAAGCTGAAAGGTGGAGTC
 TNGTTNNAACTGT CAGGCCNCAGAGCGTNT

Q9925264.Seq

GTTTGAANTCCNCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTCGACCCACGCGTCCGNAGATTCTGNCCATATA
 AGGATCCAGCACAGGAACGGNAGGAAGACTCTCACTACTGTACAGGGCATACCNATGCTATGATAAGAAAGAACTCGTCAAGGCT
 TTTAAAAAGAAAANTTGCCTGCAATGGNACCGCGGNTGANCATNCANAATA TGGAGAGGNGATTTCATCTNCAGGGNNATCAGANGAAA
 AACGCCTGNCAGTTTNTAA TGGAGGTTGNATTGNC TAAANAAGACCANNNAAGGTT CATGGGNTTNAATCATCGGNNAGTATNTGG
 AATTNGCTTTANTCCCTACNTTAGGGANTCNTTNCCTTCCAACTTCCCTTGTNNCAAGTTTATNCACANACCAGANTGTACCN TGNN
 TGTAATTGTGAGGGTGATTGNGTACAAATAGTGN TACTATTATAAGACTGACCATGTCTGCACAAAGTCTCTGGCCTTNCAGCTGNNA
 TGCTTCTNCACTGNTGCAGTAATGGATCCTCTANTGNAACGAAACATGACTTTTCTCACNCCAAACTGGGGANCTGACATGAGCCT
 GAAAGTCCTGCTGCTTATGATGGAACAACAGTAANANAGACACTCGGGTCNNGTCGNC CGAGTGTCTCCNACAAAGCTGAAAAGGTGGAGTC
 TNGTTNNAACTGTACAGGCCNCAGAGACGTTNT

Q9925265 . Seq

CCTTTTGAAATNCCGCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACCGGTCCGATCTAATACAGGTGAT
 AAATTCAGACAAAATGCCCTTCATCTACTTTGGCTACACAGTGGCACCCAGTGAATTAAATATAGTACTGGATCCCTATTATTTC
 AAATGAAATGAAAAAGACCTTCTTCAAAGGCGTCAACGGTAAATTGACAGAAATCCGCGCAAACTGCCATCTATTTTTTTTTTCAAAA
 AGTCCGAGGAATACTGAAAAATATCTTCAGGCACTGTCCCATTCATGTATAAAATATGGATACGCCCTTTCATTTCTCTCCCAGTAC
 GAATTCATTGACTGTAAAGGTTTTGTCCGATTGCACTTCAGGTGAGTACGAGATGGAATTCGTCTTCAGATCTCAAACTGGGACCCCT
 TTCAGGGGTTCTTTCCGAGACATGAAGAAAATGTTTTCATGCGAGAAATGTTTGGATGTATTTAGGAGATATTGAGAACTGAAACCAA
 GTATTCAGGTAGCACCATATAAATATACAGTAACCTATACACACAGGTATCTCCAACACTGACTGAGATGATGAGAAAGAACANA
 GAACATAAATATTGCTGGAATTATGTTTCAACATAAAGATGACGTTTCAGATGAAGAAGTTTTCATATCAATAAAAGCTGGAGCCNCA
 GAGTGTGACGGATCACAGCAGGGTTCTN

Q9925267.Seq

TTTGTGATGNCCCTTTGGTNAGGCNTTTTGCAGGATCCCATCGATTCGAATTCGATCGACCCACGCGTCCGCGAATCCCTTCTGGAAC
 AGATCGTNTATTTCATTCTGCGGGAACACAGGACCCCGAAATACACGGGACGTCCACAAGATCCCACTGCGCCACCGCCTCATTTG
 AGCACTGCAATCACATCTCAGACGAGATCAGCATCATGACCCCTGCGGCTATTTGAGCACCTCTCCACAAGCCCAACGAGCACATT
 TGTACAATCTGGTTCTGCGCAACCTGGAGGAACCGGAATTACCCGAGTACAAACCCCGTGGCTGAAAGATAAAGACATTGTGGAGA
 ATGGACAGATCCCGGGGCGAGTAGATTGGGAAGAGATCCCATTTTACAGGCATGTCCCTCGAAACACAGTTCTCCAAAGAAATGGC
 TCAGCGCCTCGCCCCCAATTACCCCGAGCACACAGGACTGACGGCAAGACAGAAAGTGCAAGATCGTAAACAGCTTCTCTGCT
 TGGTCCCCGATGAGGCGAAATCTTCATACAGGTGGAGGACAGGATACGACACTTACCTCAGAGATGCCACAGGCAGTTCCGGG
 AATACTGTGCAATCTGCCCTGGCTGGATTGGCCGGGAGCTGCCAAAAGCGATTGACAAGTGCAATTTGGAGGCGCCCTTTTCTTTTG
 ANGGCCCACTTTNCTGAANGTTCTGTTGACANGA

Q9925268.Seq

ATATNCAATCTACTTGTCTTTTGCAGGATCCCATCGATTTCGAATTTCGACCCACGCGTCCGGTGTGTGAGAGAGAGAGAGA
 GGCAGGGGCAGAGCAGACAGTTTTTACCACGGCTGGCTTAGTGGTGTGTGACCGTCCGACCAACTCCGTTCTGATTTAGTGGTG
 ATTCTGGGCTGACTGGACTCGGGGATGTCCCGCATTTGTGTTATGCGTACCTCCAATCCATGTGCAGTGTGGGCAAGCTGGCCGG
 GTGTTCTAGGCAACCCATCCCATCCACCTCCCCCAGTGAACATGCTGGTTCATGTGAAGGTAGAAAAAGAGTAAAGAGTGGG
 GAGCAGGTGGGACTGGAGATCCTGGACTAAGAGTGGACAGACAAGAGGAGTCTGGGTTGACAAGAAAGATGCAGAGCCCCAAAGGATT
 TCTTGGTAGTCACCTCTCAAGATGAAGTTTGGTAAACAGCTTGTAACTGCTGCTGCTGCCATTCATCCATTCTCAGGATT
 CCTCGTGGTTGGCTCCAGGATACATTGGCCTCTACACATGGTACATGCTAATCATGGAGATGCTGATGCTGTGGTAAACAAGTGGAA
 CCCCCAACACTCCTTTTCATTGCTCTCACACACAGAGGGCAACACGGNGTCAACCGCACCATCTTTACAGAAANACAACTACAAGCTTTG
 GAAGAAACTTTTCACCAACACCAGTNT

Q9925269.Seq

GCCCNTTGAAATCCCATCTACTTGTTCTTTTTCAGGATCCCATCGATTGGAATTCTGTCGACCCACGCGTCCGCTCTTATTTCGGC
TGGACCTCTGNNTTTATTGAGTCATAAAGATGGCAGAAGCGGGGTTTCAGTGCAGCGTTTGAGCGGCAATTAGAGTCCAACAGCT
TTCAAGCAGAACAGTACGTGAAGCTATTGTCAAGCAGTCAAGCGGGATAGAGACCTGCAAGAGACCCGACAGCGCATTCAGAGTC
TGGCAGATGAGACCGCTCANAGTCTCAAAACGTAATGTCTATCANAACTACCGTCAGTTCAATTGAAACTGCGAAAGAGATAAGCTACC
TGGAAGGAGAGATGTACCAACTGAGCCACATTCTAACCGAGCAAAAGAGTATCATGGAGAGCGTCACCCAGGCCTTACTTTATACAG
ACCGCTCTGAAGCCGCAACGAGAACTCCAGACAGCATTTCTAAGGAGGCAGAGGGAAGTCAAGAACCTCACCACTCTGTGGA
AAAAAGTGGAGGGATGCAAAAACCTGTGGAACACCCGGGAGGTATTGGTTTATAATGGTGACCTAACCCGAGTTTGATGTGGACA
ATATGGCTCTGATTCAAAAAGTCCATGCCTTTTAAATGAATGATTGCTTGCTACCTCTGNGCCCCAAATCGCAGAGGGATT
TATAAATAATAATGCACTCCATAATTAAATGACCTT

FE229" E46GT65D

Q9925270.Seq

CNNTTGAANTCCNTNTCTTGTCTTTTTCAGGATCCCTCGATTTCGAATTCGTCGACCCACGCGTCCGAGAAAATCATGAAATTA
CACATTCTAINGCANCCANANNAGATTGATTTGGTAAAGAAAAGTCAAGCAAAAGAACAGTATGAGCAGATACTTGCCTTTGTACAA
GGCACAGTGGCAGAGGACCACTATCTCTGCTCAGCTAAAGTACAATATTGAAGTAGTTTGCAGATACATAGTAAAG
AAAATCCCTGTGCTCCACGAGACTTCATTTCTGAGCCGAGGCTCATTTGTCAATTAGATCTTTTGTCAACAACCAAGGATGTGAA
GTTGATGACCTTAAAGGTGGTGTGGCTGGTGGCAGTATTCTTAAAGGGGTATTAAAGTGGTCAAGGAAATCGAAGTTCGGCCTGGT
ATTGTCTCAAAGACAGTGAAGGAAACTCATGTGCAAGCCCAATTTTCCAAAATTTGTGTCTTTGTTGCAGAACACAATGATCTA
CAATATGCTGCTCCTGGGGCCCTTATNGGTGTTGGTACCAAGATTGATCCAACTTTGTGCCGTGCTGATCGTATGGGGGTCAAGTT
TTAGGAGCAGTTGGGTGCTCTTCTCTGAAATTTTCACAGAGCTGGAAATCTCTACTTTCTTTTTCGGCGACNTCTTGGTGTGCGCATT
GAGGGGGATAGGAAGCTGNAAGGTCC

402240' 44604660

Q9925271.Seq

AAATNCNAGTCTACTTGTCTCTTTTGCAGGATCCCATCGATTCCGAATTCGTGACCCACGCGTCCGCGGAAGCAGTGACAACATTGC
ATCCCTGGATGATCCTTCAGTTCTTACCACTCTACAAAGGGATGATTTAGTTCCTGGAAAGGGTTTGGGGACCTTAAACATGCTCCA
GGCTAGTCCAAAATACGGCAGTGAGGAGGACTGTTCCAGTGCAACCTCAGGATCTTTTGGAGCAAAACAGCACCCAGTGGGGGCAAGG
TGGGGCGGAGCGGGCAGGCAGCTCAGGACAAAACATTTGGATACACAGGCACTGACAGGCTTTCATGTTGTATTACAAGAAAT
CCAGGAAATTCGGGAGGCCAGGGCCATCTAGAAAGATCTTTGGATGGGCTCAAGAGCCAGTACCAGAGTGATTATTCTACGTCCTT
ACAGTCCCTACAGGAAGAGAGAGGTTTAGGTGTGAGAGACTAGAAAGAACAGCTCAATGATCTGACCCGAGCTGCACCAGAACGAGATACT
TAATCTGAAGCAGGAGCTTGCTAGCATGGAAGAAAAGATTGCCCTATCAGTCGTACGAGAGCAAGAGATATTTCAGGAAGCTCTAGA
GGCCTGTGAGACGCGAATCTTCAAGATGGAACTCCAGCAGCAGCAACAGCAGGTGGTTCANCTGGAGGGTCTAGAAAATGCCCTGCC
AGAAACTTGCTGGGCAAACTN

Q9925272.Seq

Page 1

Q9925273.Seq

CNNTTGATNTCCATCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTCCGACCCACGCGTCCGCAAAACACCCCTAAAAA
 CAGAGCGTTCAGCTAAGGGGAAAAAATAAAAAACGGAGTCGGACGAGTCCACGCCCACTGCAGCAAAAGCGTGAGGGAGTTGCG
 CCTCTCAAAGTCCCTGCCCGTCGTTCCCTCCCAACACACACCCAGCGGGGAAGGCGTCAGCTCAACAGCGCTCACACAGCGA
 ACGACTGAGCCAGTGCAAGGAGCCCTGGGGCGTCGCCCTNGTCATCCGCTCCCAACAGAAAGGCAAGCCACACCCACGGAGGCGCAGAC
 GGAAGAGCAGTGTAATAACCCGACGACGAGCTCAAGAGAAACTCTCCCGACCGCATTTAATAAAGCAAAACATGGCAGCGGCAGC
 GGCCTCGTCTAACCCCGCGGAGGTCCGGAGATGGTCCGAGAGTGGTCCGAGCGCGTTCGACGTAGGCCCGAGATACACCAACCTGTCTATAT
 CGGAGAGGAGCGTACGGCATGGTGTGTTCTGCCCATTTGCAACATTAAACAAAGTACGAGTTGCTATCAAGAAAAATCAGCCCATTTGA
 GCATCAGACATACTGCCAGAGAAACATTGAGGGAGATCAAAAATCTTGCTACGTTTAAAGCATGAATAACATCATTTGGAATAAATGACAT
 TATTCGAGCTCCAACCATTGAG

Q9925274 . Seq

TTGAAANCNTTGATATCCNTCTACTTGTCTTTTTCAGGATCCCATCGATTGGAATTCGTGACCCACGCGTCCGGCGGTAAG
 CCGGGAGAGTCTGAGGGCCGAAACAGAGCGAAGCGCCGGACACACAGACTCGGGAACAGCCGAGCCATGCCACCGTGGAGGAGC
 TCTACCGGAACCTACGGAATACTGGCAGACGCCAAGGACGATGTGGGAGCAAAAGTGCCCTATCAGGTCACTCCTCGATGGAGTAA
 AGGGAGGACCGAAAGAAAGCGGCTCGTGCCCAAGTTATCCCGAAATCTTCAAGCATTTCCCTGACCTGTGAGATGCAGCACTCA
 ATGCCCAGCTTGATCTGTGTGAAGATGAGGATGTTTCTATCCGTGGCAGGCAATAAAAGAACTGTCACAATTTGCCACCGGAGAGA
 ACCTTCCTCGTGTAGCAGATATTCTTACGCACTTCTGCAGTCAGATGACTCTGCCGAATTCAACTGGTGAAACAACGCTCTGCTGA
 GCATATTTAAATGGACGCTAAAGGACCTTGGGAGGCCCTTTTAGCCAGATTCTTCAAGGAGAAGATGTTGTACGGGAGAGAGCCA
 TCAAAATTCCTGGCCACCAAGATGAAAACGCTTNCAGAGGATATCCGTGACAAAAGAGTGACGATTACATATTCTCTGAGTCTAAAA
 AAGGTTCTGTNTGATGTCACTGGAG

Q9925275.Seq

ANCCCCCTTTGGGATATCCNGTCTACTTGTCTCTTTTGTGAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGCACCGCCTTC
 CAGAACAAAGTTTCATTACAATGGGGGTTTTATACATAAAGAGTGTTTTCTTCAGCATCCAAACGTTATGACACCATAAAGAATTCCA
 GGTCCGTGGGTATGAGAAATGGAGGAAACAAGTGACGTTTAATGAGTGGAGAACCGAATGCGACACGAGGCGGCCGACGCTGAGGC
 GCGATGTCTCCCCCGAGAGAGAAAGTCGCTTTGTGCGCAATTTACTCCGACGCCAGCAGCGGCCCAACGATACGCCCGCTCGGATA
 TCATCGGCTTGAAACCGGTACAGAACGGCGAGCCGAGCCGAGAACCTCTCGCAGCAATTCGACAAAGATACCGTCCGACTCGGTGT
 TCGCCAGCAGCGCCCCCAGCCCCATCTACAGCAGTCGCGCAACAGTCGCAATCTGTTGGAGAGGAGAACTACC
 ACTCCAGCGCGGTGCCGTCCGTCAAGTGAGGGTTGGGCAGATGTTGGGCACCAACAAAGTCCAGACTATGAGGTCCAAGTGAACC
 AGAGCACCGCTAGAACCGTGACTAGAGATTCCATCAACTTCACTTCAGGGGGCGCTTGGCTTTTGTGTTGGGAGACGGAACC
 CGCTNCTGGCCCCGGAGTGGGGGACT

40224" 5460T 560

Q9925276.Seq

TTGAAACCCCTTTGATATCNNTCTACTTGTCTTTTTCAGGATCCCTCGATTTCGAATTTCGTGACCCACGGGTCCGGGCTGAAATCA
CAGGCCATCGAGTGCTCATTTACTCCAGATGACGGGATGATCGACTTGTGGAGAGTACATGGTGTATAGGAAACACACGTAC
ATACGACTTGATGGATCCTCCAAAATTTCAGAAAGGCGAGACATGGTGGCAGATTTCAGAGCAGAACGGACATATTTGTGTTCTG
CTCAGCACCAAGCCGAGGATTGGGAATTAACTCACAGCTGCTGATACGGTGTATTTCTATGACAGTGACTGGAACCCAACTGTG
GATCAGCAAGCCATGGATCGGGCTCACCGGCTGGGCCAGACCAAAACAGGTCACGGTATACAGGCTCATTTGTAAGGGCACCATAGAG
GAGAGAATACTACAGAGCAAAAGAGAGAGTGAATCCAGCGGTGGTGTCTCAGGAGGAAAACTTTAAGCCAGACACCCCTGAAA
CCGAAAGAAAGTGGTGAGCCTGCTGTGGATGATGAGGAACTGGAGAAAATTTGCGTCAGAGGCAAGAGGAGAAACGTCAGCAAGAG
GAGACCAACAAAGTGAAGGACCGCAAGANGAAGANGAGAAAATATGCCCGAAAAGANGAAGAAAAGATTGATGTGGACCCGGGAGG
CGGAAAGAAAGGAANGGCTAATCTTGG

Q9925277.Seq

AAACCCCTTTGATANCNCNCTCTTGTCTCTTTTGCAGGATCCCATCGATTGCAATTTCGTCCGACCCACGCGTCCGCAAGATACATTTT
 TGTAGCATTGCCAAATTTGATGGATGTCGATGAGGAGATGCATAGTGAATGAAGCCATTAAATTACGCTTGACGTGTACCAAATTTT
 CTACTTTAGGGTTTCAAGAAATTTCTTATAATTTTTCATCTTGTGTTGGCTTGTCAAAATGGACGTGCTGGAATAAAT
 GGCAGAGTATTTCCATCTATAAGATCAGCATAACCTGCACCATTTTCATAGTAAACATTTTGAGTTTGGCACAATTCATTGAGGAG
 TTTTATTATTTTATCTATTCCCCTAATATTGCCCTTAAATCTTGTATCCTTGTCCTAATCATAAAGGAGGTTAAGACCATAGATA
 AAACCTTTCTGTAAATCCAGCTGTGTAGGTTTGTGTCAATAGATGAGCCATCTTTATACCAGTGCATTAAAGCTGCTCTGACATAT
 AACCGTGGAGTGAAATTTATTCTTTTGCCTTGTATCTTTCCACCTGAAGAAATTTTAGTTCTGTCTGAGTTTACCTTCAGTAATTA
 ATGTGACGCTGTTACTCTACTCCCTAATGTGACATTTCCATAAAGGGATTTTGTCTATCTATAGAAAAGAAATTGACACACAATCAGG
 TTGTCAAATAGTGTATTC

Q9925278.Seq

TGAAATCCCGTCTTGTCTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGAGCCCGGAGATGTTTGAGTCCG
GGGATCCGGAGGGAGAAAGTGACGGGGATAATGAGAGCCGCGCCCGGATTCGAGATGTCAAATGAAAATTTGTTTATTGA
AGAAACTTGAAATCAACGTTTCTGAAGCTGAAAAAGGACTGGAAGAGATGCAGTGAGCATGCAGGAGACCTACACAGCGTATCTGA
TCGAGACCCAGGTCACTGGATGGCCAATCAGAGCTGCAGAAATTCCTCCCTTGACTCACTATGGAGGCGGTACAGCGAGTTTGAGTTG
CTCCGGAACTACCTGTGTGTAGTTATCCTTTTGTGATCGTGCCACCGTTACCAGAGAAACGGGCTGAATTTGTGGCATAAGCTG
TCTGCTGATAAACAATGGACCCCTGATTTCTGTGGAGCGGCGGAGGATCGGCTTGAGAAATTTCCCTTCTGCGGGTTGCTTCCCATCCCGTC
CTGAGTCACGATGACATATTCATTTCTTTTAAATCAGGAATCTGGATGGAAGGAGTTGCTTAATGAGGCTGGGCTACAGCTTAAG
GCTGACTCCAGGCTCAAGGCACTGAATGCCACATTTTCGAGTTAAAAACCCAGACAAAGAGATTTACAGAACTCAAAACATTACAGTGA
CGAACTGCAGTCN

Q9925279.Seq

AAATCCCGTCTACTTGTCTTTTTCAGGATCCCATCGATTCGAATTTCGTGACCCACGCGTCCGCACAATTATGCATGTTATGTTA
 GATGGAAGAAGAGGTCACTTTCTTTTCAGTGAATCTTCTCAGGTGATTCTTTTGCTACACTTCTAATGTGTAGAAAATTGTCTAT
 CCTGTGCCCTTTTAAATACAGCGTTGACATGATTCTGTATGTAGTTTGTCTTCAATGTAATTAATACAGGTATGGGATCCCTTAT
 CCGGAAACCCGATATCCAGAAAGCTCCGAGTTACGGAATGGCGGTCTCCCATAGACTCCACTTTATCCAAATGGTCCAAATTTTGTG
 GAATGATTTCCTTTTCTCTGGAATAGTAAACAGTAGCTTATACCTTGATCCCACTAAGATATAGTTAATCTTATTTGGAAGCAAAA
 TCAGCCTATTGGGTTTATTAAATGTTTAGGTTAGTTTCTGGTAGACTTGGGCGCATGAAGACCCAGATTATGGAGGGATCCGTTGTCC
 GGAATACCCAGGTCCGAGGATTCTGGATAACAGGTCCCATACCTGTACATGAAGCAATCTATTTAATAACTCATTTTGGAAATGAC
 TGTTAGCCTCACTTCTATGGAGATGGAAATCTCTCAACACTCAGGAAATACTTCTTTATAAGCATTTTGTGACTTTTTTAAATA
 TGTAAATTTTTTTGGG

Forward EMBL600

Q9925280.Seq

TTGAAANCCCTTTTGATATCNCTCTACTTGNCTCTTTTTCAGGATCCCATCGATTTCGAATTCGTCGACCCACGCGTCCGTGGGATTCTTTGGTCTATATAAAGGTGCCAAAGCTTGCTTTCTCCGTGACATCCCATTTCTCCGGCATCTACTTTCTGTATTATGCGCACTGCAAAACCATGTTTGACAGCGAGCATGGGCACATTGGAGCACTTCAGCTTCTGACAGCTGGCGCTGTTCAGGTGTCCAGCAGCCCTCTCTGTGTGACCCCTGCCGATGTCATCAAGACCAGACTTCAGGTGGCTGCTCGAGCTGGACAGACCACCTACACTGGGTTATTGATTGCTTCAGAAAGATACTAAAGAGGAGGAGCTAAAGCGTTTGGAAAGGAGCAGGAGCTCGAGTGTTCGCTCCTCCCTCAGTTTGGTGTCAACCTGCTCACCTATGAAATGTTGCAGCAATGGTTTTATGTTGATTTTGGAGGAATCAAACCTGCCGGGTTGAGCCTTCTCCAAAGACCAGAACTCTCTGACCTTCTCCAGCAAAATCCAGATCATATTGGTGGATACAGACTGGCAACAGCAACATTTGCTGGAATAGAGAACAACTTTGGCCCTTACCTGCCCTAAGTTTAGGTCTCCCCGAAATGGCAGCACCAAGCCCTGTATAACATGTCTATCACCCGGGTGC AATCTAAGCAGTATTTAAAGAAAGCAN

Q9925281.1.Seq

Q9925281.1.Seq

AANCCNTTTGANNCCCCGTCCTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGGTCCGGGACCGAGCACTG
AAGATGGCGGTTCTTTTAAATCACGTGGGACTATCACTTTTAAGCTTACATCTGGCTTACCACCTTCTCATGCTTATTGAACAATG
CAGCCCTTGTCTATATTTTCCCTTTAGTGAATGCTCTCTTCAAAGCAGGTGTGGGCAAGCTGTGCTCTCTCCAGA
TGATCATGAACACTACAGTCCAGGTATTTCTACTCTAGGCAATGTGGTTTAAACAACATCTGGAGGGCAGAGATTGCTCCCTCACTGCTT
TTAAATAGTAAGTGTATCCCACTGGGCTTAACTCCTCAGCCAGTCCCAATGGACTTGTCTTGGCTGGGTGTGCTAAGTCTGTGATCTG
AATGGATAGTTTGCACAAATTTCTACTACAGGCAAGGAAACGTGCAATTTTCTTCTGTATAGATATTAAGTTCAGGGACACATAT
ACTGAATGTAAACTGTTAGAACTGCAACACAGTATGTAAGCGTGTCTGTTAAATTAATGAACCAATAAATGTCTATCAGCCCCAAAAN
AANGAANAANNNNNAANGGAANNNNNNNNNNNNNNNNNNNNNGGGCGGCGCCCAAGGCCCTNTCGAGCCCTNTANAACTATAGTGAGT
CGTATTACGTANATCCAGACT

Q9925282.Seq

ANNCCNTTTGANAATNCAGCTACTTGTCTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGTTGGGCTCGGGGA
 ACTGGGGTCTGCGGTTGCCAAAATTATAGGTCACAATGTTAAAAATATGAAGAAATTCGCATCCACGGTCAATATGTGGGTTTTTG
 AAGAAAACATCAATGGACGGAACTAACAGAGATCATTAAATACAGAAATGTGAAATATCTCCCCGGGCACAAGCTACCAG
 AGAATGTGGTTGCTCTTCCAACTCAACCGATGCGAGTCAGAGATGCTGACCTTCTCATTTTGTCTCATTTCCACACCAATTTATACATA
 AAGTTTGCCAGAGATTTCTGGGAAGGTCCACAAGACGCACTTGGGATAACACTCATAAAGGCAATTGATGAAGGACCCAGAAAGGCC
 TCGCTCTTATTTCCGATATTATCCGTGAAAAAATGAATATTGACGTGAGTGTGCTGATGGGGCAACATTCCAAATGAAGTGGCAG
 CAGAGAAATTCGTGAGACAAACAATAGGCAGCAAAAACAAGAAATCACGGCCTGCTATTTAAAGAGCTCCTGCAGACTCCAAATTTCA
 GAATAACTGTGGTAGAGATGCTGATACAGTGGAACTTTGTGGAGCTTTAAAGAAATATCGTGGCAGTGGCTGCTGGATTTTGGGATG
 GCCTCAGCTGTGGAGACAACN

TELETYPE

Q9925283.Seq

TTTGAAACCCCTTTGATAGCCCTCTCTNGGTCTTTNTGCAGGATCCCATCGATTCTGAATTCGTGACCCACGCGTCCGNTTTTTTTT
ATTCTTTTTTTTGTGTTTTTTTCTTTTATTTTCTTTTATTTCCCTGCTCTGCTCTTTTCTGTATTCCTATAGGCTCTTATTTCTCCTG
ATCTTGCCCTTTTCTACAAAACAAATAAAACCGTAAATTGCAAAATCTACAACATGTGGGCAGTTCCAGAGGGCACGTTGCTCT
TTTTTTTTTTTTTAAATCTGGATTGCANCNNGGCTNGGNTCNNNNAATGNNNCNTGNTGTGNNNATGGCTNNCCCTGNGNNGNNNTN
CTGNANNCCCN

Q9925284.Seq

TTGAAANCCGTTTGATGTCCCTNTCTCGGGCTTNTGCAAGATCCCATCGATTTCGAATTCGNCGACCCACGCGTCCGGGAGCTTTTA
ACGGAAAGCTCCAAAACAACAATGTTTGCAACAGATTTCAGAGATTCAACAGCATATGTAAATCAGGTAAACTAAGGGATTACCAA
GTAAGAGGATTAAATTGGTTGATATCGCTGTATGAAATGGCATCAATGGGATCTTGGCTGATGAAATGGGTCTAGGAAAGACTTTG
CAGACCATCAGTCTTTTGGGGTACATGAAGCACTACAGAAGTATCCCTGGGCCACACATGGTGTGGTTCCAAAGTCGACCTTGCAC
AACTGGATGGCAGAAATCAAGAGATGGGTTCCCTTCACTTTGTGCTGTCTCATTTGGTGACAAAGATCATAGAGCTGCATTTGTC
CGTGATGTACTTCTACAGGAGAGTGGGATGTATGCGTAACTCTTATGAAATGTTAATCAGGGAAAAGTCTGTTTCAAAAAGTTT
AATTGGAGATACTTGGTTATTGATGAAGCTCACAGGATCAAAAATGAGAAATCTAAGCTGTCTGAAATTTGTGAGAGAGTTTAAGACT
ACAAATCGTCTTTTACTCACAGGGACACCACTTCAGAAATAATCTGCATGAGCTGTGGGCGTTACTAAACTTTCTGTTACCAGATGTC
TTTAATTCTTCTGAGGACTTTGAC

Q9925285.Seq

TTTGAANNCCGTTTNTTGGCCNTTTTTTTGGGATCCCTTCGATTTCGAATTCGTGACCCACCGCGTCCGGTGTGTTTGAGAGGAGCGGCAG
GCATCAGGTTTAAATATGAATACCAACAAGAGCAGAGATTGGATATGGAGAACCTACCATGTCTATTAAAGAACTACTTTTGTGGATA
AAACAAATGAGTCCCTTGCAACCAGAGAACACTTAAAGTAATCCAGCCATCTGCATCTGGATGCCCTTGTGGAGGACCAAGAGC
CTGTTAAAAATTCTACAAAAAGAAAGCTGTGGAATGATCAGCTGACTTCAAAAAAGGCTAAAGTTGAAAGTGGCTGTTGATCCAGAAC
ACAGGGAAAAACAAGATTGCTCATCTGAAGCTTATGACCTTATGGTGAAGAAACACCAACTTGCCTTTACTGGAAGGAGGTTGCAG
AGGAACGAAGAAAAGGCCCTCTATGAAGCAATTAAGGAAATGAGAGCTGCATAAAGAAATAGAACTCAAAGATGAAGAAATTCAC
GTTTGAAACAAGAAAAATGACGAATTAATGGAACTTGCTGGGCACTGACAAATACATGGCTAATATGATTGAAAGGCTCACTGGAATG
CTCCACGAAGTCTTGAAGACTTAAAGGATTTGGATTTGGAAGAACCAAGATTTGAAGATGAAGCAGACATGGCAGAACGAAGGATTG
AAGATGAAACTGACATGGCTCGGNCCTCTAATTCAGATCAGAAATATGGATGCNCATAC

Q9925286.Seq

TTTGAAGCCCTTTGAAGCCCTTTGGCAGGATCCCTCGATTCCNATTTCGTGACCCACGCGTCCGTGCTCATTCCTCCCTTTTCAGAA
AAGCCGTAAGGAGTTTCATCACACATTCAATTTAGTAGCTTTTAAAGAAAACCCAGTGGCAAGTTTGTAGCTTTGGCTGGAGCCAGGTT
ACAAACGCACAACTGAGTGAAATTTGGAGTAAAATTAAACGGCTATTGTATTTGGGTACCATATTAAATTTGCCAGTATATTTTACT
TTTCCCTTTGAAGTTGTTTGAATGGCTTTTGTTCCTTCAGGCCCTTGAAAGATTATTTTTCATTACACTGACTTGTATTATATG
TATTTTAAATAAAAATAACATGTGAAAAAAAAGGGGGCCGCAAGCCCTCTCGAGCCTCTANAACTATAGTGAGTCGT
ATTACGTAGATCCAGACATGATAAGATACATTGATGAGTTTGGACAAAACCAACAACCTAGAAATGCAGTGAAAAAAATGCTTTATTTGTG
AAATTTGTGATGCTATTGCTTTTATTGTAACCATTAAGCTGCAATAAACAAAGTTAACAAACAACAAATTTGCATTTTATGTTTC
AGGTTCAAGGGGAGGTGTGGGAGGTTTTTTTAAATTCGGGGCGCGCCCAATGCATTGGGCCCCGACCCACTTTTGTTCCT
TTAGTGAGGGTTAATTGCCCTTTGGCGTAATCATGGGNCATAGCTGTTTCCT

Q9925288.Seq

TGNNATNCCGTTTCTTGTCTTTTGCAGGATCCCATCGATTGGAATTCGTGACCCCGCGTCCGCGCAATGGGAAGAGCGGC
 ACGTTCGAGAGGCTTCTGGATAAAGCCACCAGCCAACTCTTGTCTAGAGACAGACTGGGAGTCAATCCTTCAAATATGTGACATGATC
 CGTCAAGGAGACACCCCAAGCTAAATACGCTGTGGCAGCAATCAAGAAAAATAAATGACAAGAATCCACACGTGGCTATTTTTCGA
 TTAGAGGTTTGGAACTATTTGTGAAGAAATGTGGACAACTGTGCATGATGAGGTGGCAAAACAAGCAAAAGTATGGAAGAACTTAAG
 GAATTGCAAAAGAGGCAAGTGGAGCCAAATGTTGCAATAAAATACTGTACCTGATTCAAGCCTGGGCCACGCCCTCCGCAATGAG
 CCTAAGTACAAAGTTGTGCAGGATACTTACCAGATCATGAAGGTAGAGGGTCATAATTTCCAGAAATTTAAAGAGAGTGTGCCATG
 TTTGCAGCAGAGAGGGCTCCTGATTGGGTGGATGCGGAAGAATGTCAATCGCTGCCGTGTTCAAGTTTGGGGTGGTTACACGTAAGCAC
 CACTGCAGGGCATGTGGGCAGATCTTTTGTGGAAGTGTCTCATCCAAGTACTCCACCATCCCCCAAGTTTGGAAATTGAAAAAGAAGTG
 CGCCGTGTGTGAACCCCTTGNTATGAACAGCTNAATAAAAAGGGTGAAGGTAAATCTGC

Q9925289.Seq

TTTGAAANCCCTTGCNTGCCCTTTTTCAGGATCCCATCGATTCCGAATTTCGACCCACGCGTCCGTTTCTTCTACTAACCAACA
 GTAGTCAAGAGATGCATATTTTGCACCTGTGACTGTATGACAGCACACTTCTGCTCACAGAGCTTTGTACTTCTGCGTTGATGTTAT
 AACTGAAGTCCCTATCTTTTCACTGAAATATTTTCCCTAGCCCTTGTCCCTGTTTATCTATCAGACTCCGATTACAAATCAGATG
 AAGTTTCCCCGTTCTTACTGGCCTGCAAAATTTTATTTTGTCTTTTGTACCAAGACCTAATTTATGGTAAGCAAGTGTCACT
 TAGGCCACACATGTGCAAGCCATGCATAGGACTGGTCTTGAATCTCTTATATCCATAAAGGCAAGCTATGCATGTTTCAGGTTCTGC
 CTCAATTGGAGTAAAGAGTGCAATTATATACAGCACTTTGAATCATTTGTAGGTATTAGATGAAGCTTAGAGCTGGACTCGTGAATGTT
 TTGCTGCTGTGACACTGAAGGGTGGGTGGTAATTGGTTTGGAAATGTATAGGCACATATATTTATGTGCTGTCAATTGAAGTTTC
 TTGGGAAAAGCCCAATTAAAGTGCTACTATGATGGTCTTTCAATTACCCAAACTATGCAGGTGCTAATCACAGGCGTCACATATTAAAC
 GGAAGCCCTATTGGACTGGTTTGGACCCCTTCAAGTGAAACAATAACCTCTGCCATTAT

Q9925290.Seq

TGAATCCTTTGTCAGGATCCCTCGATTGGAATTCGTGACCCACGCGTCCGTTTTTTTCTATCCTTAGATCACTTT
 GGGGTCTTTACTGTGTCCTTTAACTTTTCTTCCCTCAACAATGGACATGAAAAAGAGATTGATGCTGGAGCTCAGGAATCG
 GAAAGCGCTGACGCTAAAGAAATTGGTCTAGATAAAGTCCCGTTGAGCGATGGCAAAATTAATTGGACTGACCTCAGAGTTTGAAAG
 CCTGGAATTTCTCAGCATGATAAATGTCAACTTATTATCTGTAGCTAACTTCCCAAGCTCCCAAGTTGAAAAAGCTGGAACCTCAG
 TGACAAATCGAATCTCTGGAGGATTAGAGGTACTGGCAGAACGGACCCCAATTTGACACACCTGAACCTCAGTGGGAACAAGATAAA
 AGAGATAAATACCTAGAGCCACTTAAGAAACTACCTCATCTCATGAGTCTGGACCTCTTAACTGTGAGGTGACCATGCTAAACAA
 CTACAGGGAGAGTGTGTTTGAACCTTCTCCCTAAGCTTACCTTTTGTAGATGGTCTTGTGATGCAGATGACCAAGGAGCTCCAGATTCTGA
 TCCAGAGGCTGAAGATTTAGAGGAAAAATGGAGAGGATGGTGAAGAGATGAAGAGATGATGAAGAAAGAGAAATTTGAAGATGA
 GCTTGATGATGAGGGATGAAGATGAAGGAAGGTGAAAAAGGANGAGGATGGG

Q9925291.Seq

TTGGAACCCCTTNTNANACCCCTTGNCATCCANAANAGNCCCCCNNTACANTTCTCACCNCGGGACGCTNATCAANAATTTTCT
 AGNTTNTCNCCCAANNNA CGANGGGGGTTTGGGNCGGTTTAAANNNTCCCN CAGNCCATTACTNATANACNCGNCNNNG
 ANNTCAAAATNTGTNAGGTNTNNGCGGAA TNNCNA CATGNCGNNGANTAGCGCAGTCTTGAACCN CANGGCANNACNGCNNNG
 TTTATCCCNGTNGAAGNNGCACANAATGGNCANN CANN TGCTCCNCGANNNAATNGNAATATTCTGTNACACAGTNTNTAGAGNN
 CNGTCA CANNNTTNGAANTNNGACGCNNGAGACANTAGATGT'TNTNT CNNTCNANTCNGNCNANTCAATNATNNTNATCATNNN
 NNGTNAGNNTNNTNNTAANCANTGT'TATTCNCANN CNCNANTTCGCANNAACCNACNTTGTCTNNANTCTNTNC'TNTANATCNC'TA
 CANNTCACATNCTNNA TNTNTANA CNNTANN TANNNGNTCNCGATTCTNTGCA TNNAAAGCTCANNNTNGTTNAGANNNNNTANG
 ATNTNACTCNANANNA C CNNNGCNA CNNTNCGNNTACANNAATNNTTNTANCAACANGATAGACTNTGNTCCGTNGCGNNNANGAAN
 NNNCCCNATNNNTACANNGC NNTAAGNNNCANTGAANNCTCNCNGGCA TANNNANCGACANGNNNTAGNNNTNTTNC'CGCNNNGNA
 TNGNNAANNNTGTNTNGCNANTTTCTNTANGNATAAGGGCNTTTTCNGCATATGNTANGTANANGNNGCATGACTNGTNTNTNATG
 ACGGCGCNCG

Q9925292.seq

Page 1

Q9925293.Seq

GNNNNNNNNNGNNNNNNNNNNNNNNNTTGAACACNGTTTNTTGTCTTCTTTTGCAGGATCCCATCGATTGGAATTCTGTCGACCCAC
 GCGTCCGCGCGAGCGGACACTGGCACTCCACCCCTGAGACTGGCACTGGGGTCTCTGCCTGAACCTGGCATGCACACGG
 CACAGCTGGTGAATTGTGACAGAGATTAGTTGGCTTTAAGCAGAAAGCATTGCACAGTTCCGACGGGCGATGGATAAAGGAGCGA
 ATGTGCAGAACCCCTATGCCAGCGTTACATCCCTCGGGCCAGCTGAAGAGCAGCTTTGTGCGCCGACCCCTGGGAGAGGAGGACC
 TGGATGGGTGCTTATTGCCAACCCCTGCGGGGTGCCAAGTTATCCCTCGTACTCGGCTCAGGACAGGTACAGCAGCGACTTAAACAG
 CCCCTGCCCATGGAGGGCAATAAAGTGCGCACCCAGAGTCAAGAGTCAATCCATACGCGACCCACCCAGAAATG
 GCGGCCACCCACCTGGGATGTACTCCATCGACCTGGACAGAGGAAACAAGTGAGTGCAGACAGTGGAGGAGCCATGCTGCTGTTACC
 CTTGCTGCAAGTGTGCGGCTGTGCGAAGAAATTGCTGTGTTGTCTCCTAATCTGCTCCTCACTTCCANAAAGTTCCATGGAAA
 GACTGGCCGCTGTTTNCACCCCTTGGAATGATCCTTTTGGGGTGTCAAGTCTTAATGTGTCTNCCACAAACTGGAAACCTTG

Q9925294.Seq

GNNNNNNNNNGNNNNNNNNNNNTNTGAAAACCCNNTTNCNNGGCCNTTNTGCAGGATCCCATCGATTGGAATTCGTCGACCCAC
 GCGTCCGGTGATGCAAAAATCAGGAGTCAGGAGGCAATTTCTCAACTGAATAAGACAGTGGACCTTATTGAGTTTGCTAGGAAAAAT
 GTGAATAATGCCAATCAGAAGCTGTACAAACACCTGGGTTGAATGGACAAAAGGAACTGGTCACTTGGCAAAATGAGGAAATGAAAAGT
 GCAGAGCAAATTTGAATCTCGCATCTTAAACAAATGACTCGGAACCTGACTCAGCAACTTCAGACTACATGCTTTTCCCTGGTTATAAGT
 GTTCAAGGACTACCAAGAAATATCCAAGACAAAATCTCATCGTGTAGTGCCATGGCTGGAGAAAGTGATCCATAACTTTCGCTCTGCT
 TCTTCCCTCAAAGAAAGTGTCTGATAACCTCTTGA CAAACAGCAGAGGACAGCTCCAGAAAAATGAAGGATTCATGGATGATGTAATG
 GATTATCTGGTCAAACAACACACCCCTTAACTGGCTGGTAGGTCCTTTTACTCCAGTTGGCTGGCTGTCACATGGTGAGCAAGAA
 GGTGATGAGGCAGAGAAAACCAACAAGGATTAAAGACTGACTTGACTACATTTAAGTCTTTAGGTCACAAATCTGCACCTTTTATTCC
 AGACGAACTATAATGTAAATTTGATGGGTAAAGCACTGCTTAAACTCCAATAAGGCTTATACTAACACTTTTGGTCCCAGTGGT

Table 240: E460T560

Q9925295 . Seq

TTNAAACNNGTTTNNGTCCCTTTTGGCAGGATCCCATCGATTGGAATTCGTGACCCACGCGTNCGTATTGTTCCAGCCAGCAACA
 AGGAGTAAATCANATTGAGGTAGGAGTGAGATANAACGCTAGCTGCTGGCGGGCCAANGAGAANTCGGGCCCGANAGTTCGGCCGA
 CCGGCCAAAGAAAACCTATGGATCANCTCGACCTGGCAAGGAAGCAATNAGGCCAAAGCAAAAGGGATGCGGATCTGATGGGCCACGTA
 GTCAGGACTGCCCGTTGCGCTTACACAGCCGACTNNTCAGGAGTGTGGCAGCCTCGGGCCACTTAATGAATGAATGAACCCACGANCGGTT
 GTTTGGACTGGACATTGGAAGATCACACAGGGAGGGGGGNGCTATNAATTGAATAACTGCTTGCCNCAACCCCTCGCGGGTATAA
 AGAACCTCCATCCTACTGGGAGTTGCTTTNTGTNCAAACTTNACTGCGGCAGGGAGANATGCTGCCCGCTCAAGANCTCCAATGATC
 GCTTGCCGGGGCCACATTGNCCTTGTGGGCCACATGGACACCTTCATTTTNTTTTCNCCGTTTNNCGGCGCACTNACCCCACTAC
 CCTATTATTGTCCTATCATTTGGGCCCTATCAANTGNTTTCCTTNAATTTTCGGAANAATATTTNNNGTGTGCCCCCTNGGGGG
 AAGAAAAATTAANCTCCCTNNTTTGGCTTCCTTCCCGGGGTTTTTTTAA

40240' 2460T660

Q9925296.Seq

TTGAATNCCGTTTGTGCCCCCTTTTTCAGGACCCCATCGATTGGAATTTCGTGACCCACCGCTCCGGCGTGAAGTGGCACCCAGAG
AACGGTTCCTTGTAACAGTTGCTCAGAGACAAAACAATCATTTGAATGGAACACACAGACCTGTAAAGTCAAGTGCAAAATGGAAGGA
GACAAACAGCAGCGTCAGCAGTTTGTGCATCAGCCCTGATGGGAAGATGTTGCTGTCCGGCGGAAGAACCATCAAACTCTGGGATCTG
GAGACCAAAGAAGTCTACAGGCAATTTACAGGCACTCGACCGCAGTCACGTGCTCATATTCTGACAGTGCAGCCTCCCCGGGAG
TCTCGATCTATCCAAGACACAGCAGGTCTTTATTCTGTCCAGCGCTGTGCACGACCGATTGGTCAGCGTATGGCAGGTTTCGGTCT
GCAAGGACAAAAGTTCTGTCCCTATCCTTCACTCTACAGAACCAACCATATTTCATGGACCTGAGTACAACCGAGAGCAAAAGAGGAG
CCGCTGAAGCTGGCGGTTGTTGCGGGGATGGGAGTTGCACCTTATTGAAACATGTGTTAAACGGAACCTACAAGAAGCCAATCGCG
CCTACTTGTAACAGTACAGATCGCAACCGTCGGGAGTGATGACTCCACCCCAAGCCCATCCCTATTCTGGCAGCTGCTTTCTGTGC
AGACAAGACAAGTCCCCTGCTCATGTTCTATGGCAGCACCTTACAGCCTATCATTTGAGAGA

Q9925297. Seq

GNNNNNNNNAGNNNNNNNGNNNNNNNTTGANATNCCGTTGCTTGTCTCTTTTTCAGGATCCCATCGATTGGAATTCGTCGACCCA
 CGCGTCCGGTAGGCGCTAGTTGTTGACGGCGGACTTTTGAATTAGGAATCAGGGACAGCGGACTGCGTTAAGAAAAAGCGTTCCCTG
 TCGGACGGAGCCATGTTGTGCGAGCAGATCAGCGAGTATGTAGACGTAGCGGGGAGATCGTCAAAAGTCATGGTTCGGACTCCGCA
 GCTGGAGCCTTAAAGAAAAGCTTGGACCGACAGGAGGCCATGATGATTCACTGTTGGACACAGAGGTGCAAGCGTCGAGCTTATC
 CGAGATCTCATGGCCGTGGAAGAAAAGTCCGACAGAACTTCTGGACACAGAGGAACTAAACAAAAATCTTTCATCCAAAGCTACAG
 AAAATAGACCGAGAACTACAGGAGAGAAATGGAAAAGAAATGCCCTCTCTGGAATCCAGCATAAAAATTCACAGAAAGATCTGGAGGAG
 CTAAAGGTGATGGAGGAAGAGATTGCTGATATGCAGAGAGAGGACGAAGATACCAACAAGTCATTCCCTCAGCAGTGTATTG
 GCAAAGCTCTTCCATAATGTGACAAAAATTGACTGGGATTATAATTGTGACCCCTCCCTCATCAAANGCATTCACTACGGAGGAGAC
 ATTGCTCAGCCCAATCAGCATCGACAGCAACCCAGCACTCGAAAAATCTTTTCATTTGCAACTACCTGTGGAGCCTCTTTGTNTACAGACT

422340 24607560

Q9925298.Seq

TTTGAAATCCCTTTGTNGCCCTTTTTCAGGATCCCATCGATTCCGAATTCGTGACCCACGCGTCCGCAAGTGACAAAAACACACAATG
CTCCATCACATCATCCTAACAGCTCTACTAAAGTGCAGCATACTGATGAGAAGATGGGAATTACGCCATTAGTGAATTATCATCCAG
TAATAGTTCAGGACTTGGACGCTCACTTGGCTTTCCTTAAATGCCAGACTGAAAAATAACACACACCTTTTCTCTGGTATATTG
NCCATGGTCACCATATGAGAAAACTTCCAAAAGAACCCAGCTACTAAGGATGCTGCTTCCAGCGATGCCATGGGGAAAGAACCTGTTA
ATGCCGAATCCCACTGTTACTGACGACGTTTTCATGTCCAAAGGATGGAGAAACACCTCCAGAAAGTCAGACTTTGAATTGTCAAGAAC
CCTTTGTAGATCCTACTCCAGAGCAGATTGTGGAAACTGTATATGTTAATGACTCCACTTGGATGAGATATGTTCCACCTTCTACTG
TACATAGTGAATATGGGCTGGCTGGTTCTCGTTAGTGATATTCTGCTTTGTTGCCCCCTCTCAATCTTCATAAAGATTGTTCAAG
TCAGTTACAAAGNGGATAATCTTGTATGACTATCTAAATGATCAGTAAAAAAACACACATTTTGATCAGATGTTTGCCCAAGACCTATGC
CGTCAGCCAGNTTGCTGTACAAAAGGAGATATGTCCTTTTCTGTTTTCCTCAAGGNCCTC

702340 24604660

Q9925299.Seq

TNCAGTTNCTTGNCCCTTTTTCAGGATCCCATCGATTGGAATTCGTGACCCCGCGTCCGAAAAAATAATAATAATTATTTAACAG
TTTAGAAGGCTTGATAGAGTGCTTTAGTCTGAGTATCCATTAAATAGGAAAGTACATCCTGCTCTATCCGCCCTTATTTACCCGTGAG
ATCTTTTCAGCTTGGTTCATGGATAGTAGCCTTAACTTTTGTGTTTAACTTTTATTTCTCCCTCCCTGGCAAAAGGACAACA
GATCTGGTCCCCCTAATTGTTAAGGTCAATTGAAACGTCACACACTAAGGAAATTTTGTAATTTCTTCCACGAAAGACTAAAGAAC
GCGAGTGTGTACCCCTCACCCGGCACCAATTTTTTTTTTAAAGTAAATTAAGTATTTATAGGACTATATTGAATTAATTTGTATAC
GTTAACCAGCTATTTACCAGTTAGATGATCAAGAGAGAGGGATTTCCCTCATTTGCCACAGGCAATGAAAAACGAGGGGCTGGGAG
GGGTGTTGTTTTTTTTTTTGNNTTATTGNATCACATTTGTTTAGCTGCTGATATTAAAGTAAAAAATAAGNCTGAGGCTCACCC
ATTGTGTTGTAGCAGATCTGGTCTTTCATGTGCAAAAGGTCCATCTTGGCTTGTGGCTTTAANGTCTGCCAATCATTTCACCCCTNCC
TCGGTTGGATTAAANAACCTGCAATTGGGCTCCTTGGCCCTTGGAGA

402240 24607660

Q9925300.Seq

CCNANTTNCCTTTTGCAGGATCCCATCGAATTCGAATTCGTGACCCACGCTCCGCTCCGACAGCAGCACCAAGCACACAG
CAGCGATCATGAACCCCAACAGAAGAGCCATCAGCCTACAATGAATAGCTAAAGAACATGCTATAGCCAGGCTGAGCTCCTGAGA
GGCAGGAAGAGTTAGAGAAAGCGGCAGAGCTTGATCGCAGGGAACGAGAGATGCAAGTCTCAACCAAGCTGGAGGAAGGAAG
ATAACTGGCCTCCCTCCCTGGAAACTTCCCGCTGGCCCTTGTTCTATCAAGATTCTCAGTGGATATCCAGTTGAATTTCAA
AAGACTGTAAAGATTATGATTACCTATGGATGTTCCATACCATCACCTTGTTGTAAATATCTTTGGCTGCTTGGCCTGGTTCTGC
TTGATACAGGACGAGGAGTTGATTTTGGATTGGCAATCCTGTGGTTTCTGCTCTTACGCCATGTTCTGTTTGTGTTGCTGGTACAGA
CCACTCTATGGAGCCTTCANGAGTGACAGTTCCCTCAGGNTCTTTGNATTCCTCTTTGGCTATATCTGCCAGTTGGCGTGCAATGTC
TCCAAGCTGCAGGTTTCAAGGATGGGAAACTGCGGGTGGATTCTGCACCTGCTGGGCTGAACCANAGCATTCANTTGGAAATAAT
GATGGGCATAATACTGCACCTTCACTGGCTCTGCTGGCATT

Q9925300.Seq

TCNANTTNCCTTTTTCAGGATCCCATCGAATTCGAATTCGTGACCCACGCGTCCGCTCCGACAGCAGCACCAAGCACACAG
CCAGCGATCATGAACCCCAACAGAAAGAGCCATCAGCCTACAAATGAATAGCTAAAGAACATGCTATAGCCAGGCTGAGCTCCTGAGA
CGGCAGGAAGATTAGAGAAAGAAAGCGGAGAGCTTGATCGCAGGGAACGAGAGATGCAAGTCTCAACCAAGCTGGAGGAAGGAAG
AATACTGGCCCTCCCTCCCTGGAAACTTCCCGTTGGCCCTTGTTCATCAAGATTCTCAGTGGATATCCAGTTGAAATTTCAA
AAGACTGTAAAGATTATGTATTACCTATGGATGTTCCATACCATCACCTTGTGTAAATATCTTTGGCTGCTTGGCCTGGTTCTGC
GTTGATACAGGACGAGAGGAGTTGATTTGGATTGGCAATCCGTGGTTCTGCTCTTCAAGCCATGTTTCGTTTGTGCTGGTACAGA
CCACTCTATGGAGCCTTCANGAGTGACAGTTCCCTCAGGNTCTTGNATTTCTTTGGCTATATCTGCCAGTTGGCGTGCATGTGC
TCCAAGCTGCAGGTTTTCAGGATGGGAAACTGCGGGTGGATTTCGCACTGCTGGGCTGAACCANAGCATTCANTTGGAAATAAT
GATGGGCAATAATACTGCACTCTTCACTGGCTCTGCTGGCAT

70240 E460F650

Q9925301.Seq

TGAAATCCCGTCTATTGTTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGGCTTTTCATCATAAGGAGAG
TGATGGTCA CGTTGGCTGAGGCAAAACCGGAGAGGTTT TAGAGTGC AAAACAGTGGACAACGGAAATGGCACAAGGGCTTATGTCTCTTC
AGGTGCCCTTCA GTGATCCACTTGTGGAACAGATGTACCTGGATGGCAACAAGCGAATGTACATCCTTTATGTACCTACATCCTGA
CCCTTTTAAACAAGAAGAAAGATTTTACTTACACAGATGTGTGGAGTGTGTACAAAGACGTGGTTCCTCCCACTTATGATAAAA
TCTGTGAAAAAGACCGCCTAATCCTTAACATGACCCGGGGAAACATGGATATGTACTGGATACCGTATATTTCGAAAATCTACCACTGA
CTGCAGCCCTAGCAACATCCCAAGATTACCCCAACGTGGTCCAATGTTACTGATTGAAATCCCGCTCTTCTCTGTAGGCC
TGGTCTATGAGGATATCTCGCTGAGGGGATCAGGGCTCGTGTGGACTTTTCACTAAAGGACAACAAGACCCCTTCACGTTAGGAGCA
GCTACTCCTTTGTGTGTAACCTTCCGACTGACCA GTTATTATTGTGTCTTNC CAATGGTACCATGAAAAGCTACCCGTATTCAAGCC
TTGACACCAAAACCTCGCTTTGACCCCGAGAAACCCCATCTTGAAGGACCCAT

Q9925305.Seq

GNNNNNNNNNTTGAATNCCGTNTNTTTGTTCTNTTTGCAAGGATCCCATCGAATTCGAATTCGTGACCCACGCGTCCGGGAAGC
 CGACGGGATGAAGTCCATATTTGTGGCGCTCTTGGGCCCTGTTGGTGGTGAGTCCGAGGAGGGGGCCCGCTTGTGGCGTCTAA
 ATCTCTGTGAACAGATTGCGCCGTGGAAGGGAAGACCTGACTCTGCAGTACAACATCTACAATGTCCGCTCCAGTCCCGCGCTGGA
 AGTGGAGCTGTCCGACGACTCCTTCCCCCTGAGGATTTTGGGATTTGTCTGGAATGCTGAGTGTGAAGTGGACCCGGATTGCTCC
 CGCCAGCAAATGTCTCCACACCGTGGTTCTCAGGCCACTGAAGCCGGATACTTTAACTTCACCTCGGCCACAGTCGCATACCTGGC
 TCAGGAAGGTGGAGAAGTAGTGGTGATACACAGCGCACCCGGACAAGGAGGAATTTAGCCCGAGCGGGAATTCGACAGGCGTTT
 CTCCCCACATTTCTTGACTGGGCAGCTTTTGGGGTGAATGACTCTTCTTCCATCGGAATCCCCCTCCTCCTGTGGTTTTCGAGCAA
 GAAAAAGTACNACACTTCCAAACCCCAAGAACTAAGGGCAATCCACTGACCCGGAACCTCAGTCACAGCAGAATTGACTNCGNCTT
 TTGCGCATTGAAACAAAATGCTCTGTTGTCCATAATCTGAACCCCCGGCAAGTGGGTGCG

Q9925306.Seq

GNNNNNNNNNTTTTGANATNCCGTCTATTGTCTCTNTTTGCAGGATCCCATCGATTGAAATTCGTCGACCCACGGTCCGATTCC
 TGTGTGACTACTCCTCAGGGGGGAAGCGCTTGCTGCTCCGATGGCTCAGGGAAGGTCTGTCGCCGAGATGGACATCACTGCTGCCGCT
 GGTTCCTATTGCTCAGACGACGGTCACTTCTGTATCCCAGCCTCTAATGAGTCGGCCGTAACTGCCCAGATGGAAAGTCTGAATGT
 CCGCTCTCACCACTGCTGCTCATGTCTGACATGTCATCGTGGGGGTCTGCCCTATGCCACAGGCTGTCTGTTGTGCTGATCAC
 ATGCACTGCTGCTCCCTTCCAACTCCAAGTGTGACGTCCACAAGCCGATGTGTCAACCAACAGGACCATGTTCCCTGGATGCAGAAA
 CTTCCANCCCGTGTGAGGTGTTGGTGGTGGGTTGGGAGATGAAGAACGTTGGTTCAATGTCTGATGGCACTTCTTCCCAGACGGC
 TCCACCTGCTGTGAACAAGTCGACCGCACATA CGGCTGCTGCTCCATCTTGTCTGCCGCTGCTGTTCTGATCATCTTCACTGCTGC
 CCTGCTGGAACCTCGTGTGACCTTGTCCATCAGAAAATGCGTTTCCTCAAATGGGGAGGACCGTTGTTGCTTGCAAAATGCCGGCTGT
 CAGGCAGGAATCAGCCAAATCAGGTTCTTNTGTGATGCCCTTCACCTAGTTGCCCAANATAAAACN

Q9925307.Seq

GNNNNNNNNNTTGGATATCNATCTATTGGTTCTCTTTGCGAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGAAGATGAA
 GAGACTGGAGAAGGAACAACCTAAAGAGGGCCCTGCGTTTGTGCTGCCCATTAATGACCCGCTCCCCAACACCACTTGCCACCCCA
 CACTTCCACCCCCCAACCCCAACATGTCTGTGCTTATCATATCCGTATCATTTGGCACAACCTGCTCATACTGCTGCCTGCCTGGGG
 AGAACGGGTTCTTGGCGAGTCCCTTGGGCAATGCTGGATTGCGTTGGCACAATCAGCTGTTTCTTAGGTTTCCCTCGCCTTGAGCGG
 GGCAGAAGAGAAGCTGCAGTTTAAAGAGAGGCGCCCAACTCTCCTAGTTGATAGGCAAGTACGGGCTGGAATGAAGCAAAGTGGTC
 CTGTTTTTATTCGGTTAAGATACTCTGGTTTAGTTTTCATTTGTGCAGCATTCCTTGTGCATGTAATATTGCCCTCATCCCTTCTGC
 TGAGTTGCCCTCCACAGCTGTGACTGGCCAGTGTCTCGGAGGGATAGGAGGCCACATATTTGTAGCTTACAATAGACGTTTTTACAT
 GTGAGCTTTGTGAGGTTTCTCAATGCCCTTTTAACTTATGGNGTGTTTATAATTCTGCATCTCCTGNGGGTTTGGATGCTCTTTTTT
 TTCATTTTCATTTTATTCTTTTTTTTTTATTTTTTCTGCTACTTTTGANGGCCCTATTAT

Q9925308.Seq

GNNNNNNNNNTTNNATCNAGCTATTGTTCNTTTGCAGGATCCCATCGATTCCGAATTCGTGACCCACGCGTCCGCTAACATTGA
 GCAAGAAAGAGCTATGAATTTTCTCTCCATTGAAGAAAGTGGAATGAAGTTTAAACCGGAAGCTGCAGCATGGCTGANAAAAGAGCAAT
 CTGTGGTAGCTGAAGCGAGCAAAAAGAAAAACGCGAGGCTCAACTGGTGGAGGAATCTGAACCTCCTTACTGTCCCTGATGGCTGGA
 AAGAAGAACCTTTCTCAAAGGAAGATAACCAAGAGGATTACTTGAGGAGAGCAGTTTGTGCTACATTGTTCCCAAAATATAGAGAGG
 CCTACCTAAAAGAAATGCTGGCCGCTTGTTCAAAAGGCAATTGAATGACAGTTTGTAAAAGCTGAGCTGGATTGATTGAAGGCAGCA
 TGACGGTCACTACAACCTAAGAAAGACTTTTGATCCATATGTTATAGTTTCGAGCTAGAGATTGATAAAGTTGCTTGCCAGAAGTGTTC
 CTTTGAACAGGCAGTAAGAAATACTACAGGATGACATGGCTTGTGACATTATTAATAAGGCTCCTTAGTTCGAAACAGGGAAGAT
 TTATCAAAAGGAGACACGCTTCTTGGACCAANGGATCCACTTAAAGGCTCTGGAGCTTCTTACAAACTGGTATATTATGGGTCA
 NGGCACACAGTATCTGCTTTGGGACCATTTGGTGGATTNAAAAAAGGTAGAAAAAG

Q9925309.Seq

GNNNNNNNNNTTGAATCENNNTTTGTNCCCTTGCAAGATCCCCTCGATTTCGAATTCGTGACCCACCGCTCCGGGAGAGAAAGAG
CGGACAGTAGGGAGCTCGAAAAGGCAGCAGCCCAACCGCGGCTGAGTTACCATCAACACCCCGGGGGAAGTTAAAGCGAACCAAC
CGCCGGCCCGAGTCACCACTCCGAAAGCAGCCAACTTACCATCAAGACACAAATGAGCAGCGAGTTGAAAACACACAGCAGC
AGCCAGACGCATTGGAGGGCAAGGCCGGCCAGGAACCGCGGCCACCGTGGGGGATAAGAAAGTTCATCGCCACCAAGTTTGGGGA
CAGTCAAAATGGTTTAAATGTGCGCAATGGTTACGGCTTTATTAAACAGGAATGACACCAAGGAAGATGTGTTGTACACCAAACTGCCA
TCAAGAAGAAATAACCTAGGAAGTACCTTCGAGTGTGGGAGATGGTGAACCTGTTGAGTTTGTAGTGGAGGGTGAAAAGGGTG
CAAAGGCAGCTAATGTAACTGGTCCAGAGGTGTTCCAGTCCAAAGGCAGCAAAATATGCAGCAGACCCGTAATCATTCAGGCGCTATT
CACGTGCGAGAGGTCTTCAACGCCACTNCCAGCAAAANTACCAAAACACGAAAGTGGAGAAAAGCNGANGAGAAATGAAAGTGCCC
CNNAAGGAGACGATTCAAAATCAACAGCGTCCTACCACAAAANGCGTTTCCACCATAN

[illegible]

Q9925310.seq

GNNNNNNNNNNNNNNNNNNNNNNNTTGAATCCNGNTATTGGTCTCTTTGCAGGATCCCATCGATTTCGAATTCGTCGACCCAC
 GCGTCCGAGCCAGAAAGAGAAGCTGTCACTCCACTCACTGATCCACGACTGGAATAAAGAGACGAGCTGTCCAGGAA
 GATCCGTCACTTGAGGAGCTGTGCAACATGGCAGATCCAATCACTCTCTACAGGAACGGGAATCAATGGAGCTGAAATTTTGTGG
 GGCAGATAATGAGGAGGAGGATGATTTCTGAGGGGCAGATAATAAGACCAGAGAGAGATGATAGAAAGGTCCACCACTAGAGA
 TCTGGATGTGTTCTGATCTCAGAGATAATAATACAGAGCTTGGAAGGAAAGTCAGTGAAATAAAGAGAGGCTACTGCCCCCCAGGA
 GAACCAATTCCTGCTCCTCGATGATAACACGGCTCATTTGTTCTTTAAAGATTTCAACTAACAGTAAACAGCAGCACAGTGCCATAA
 CAACAAGATCAACATGAGACATCAATGACATTTTCAGACTTTGTACTCAGGTATTAAACCAAGAGTTTTCCTCAGGGCGACATTA
 CTGGGATGTAGATTGCAGTAAACGAGGAACTTGCGGGTAGGGGTGGCCTATCCAGTNTAGAGAGGANGAGACAATTCACCTGAT
 TGGGAATAATAACAAGTCTGGGNGCTGGGGCTCACAGAAGAAATCATTAGGAATTTTCAGACATGAATATTCANT

Q9925311.Seq

GNNNNNNNNNTTGTATATCCCGTCTATTGGTTCTCTTTGCAGGATCCCATCGATTTCGAATTCGTCGACCCACCGTCCGCAAAGG
 TTTTGTGCCAAACAAATCCCGTCCATATTAAAAAATAAATCCAGTTTGTATGTCGGATATCCCTCAAATGAATTGATT
 TGCTGACCTCTGTAGTTTCTGTGTTGTTACAAAAAACAATCTTTTGTATATGTCAAAGCAATGCAGACTATTCTAGTAT
 GTGTAGCACCCCTTCTAATATAAAGGCTGATGGTGCAGTAGGGTTCGTCTCACTCTTACACTTAAGCGCTAAGTATGTGCAA
 ACTCTTTGTACACAACCAATTAAGAGTGGCAGATACAGGATCCAGGAGTAGTATTATATCTTTTATAAACAATTCAATTAAAC
 AAGCCAGTGAGATCTACAAATGAAGTCTCTATATCTGTTTCAATGCCCCCTGTTAAATATATTTATCGCATACATCAGATACACATCCCT
 GTGTTGATGTTGCACTACAACTCCAGAACTTCCATCCAGGGGTGTAAATTCAGGGGAAGCAGACCCCTGCGGTTGCAGGAGGCCA
 GGGAGGAATAGGCACATAAGAGCAATTTCAACCTATATTGGTAAACAGGAACAACCTCTGGATATGTTGGGGCCCTAAAAATGAATT
 GCTGNGAGGCCCGAGTAACATCTAGTTACTINCACTGGTTCCATCCAATATTTATTCGGTGNANG

Q9925312.Seq
 GNNNNNNNNNTTGTATATNCCATCTNTTTGTTCTCTTTGACAGGATCCCATCGATTCCGAATTCGTCGACCCACGCGTCCGCTGTAT
 CTAATGTTCTGATTGGATGGGGCACTGTATCTAGTGTCTGATTGGATGGGGCACTGTATCTGTGTTATGGATGGGGCACTGTA
 TCTAGTGTCTGATTGGATGGAGGCACCTGTATCTAGTGTCTGATTGGATGGGGCACTGTATCTAGTGTCTGATTGGATGGAGGC
 ACTGTATCTAGTGTCTGATTGGATGGGTGCACTGCACTAGTGTCTGATTGGATGGGGCACTGTATCTAGTGTCTGATTGGAT
 GTGGCACTGTATCTAGTGTCTGATTGGATGGGGCACTGTATCTGTGTTATGGATGGGGCACTGTATCTAGTGTCTGATTGGAT
 TGGAGGCACCTATCTAGTGTCTGATTGGATGAAGGCCTGTATCTGTGCTCTGGCACATAATGTGTTAAAGTCTGGGTTACATTC
 ANTCAACCATTTGATATTTACAGCTCCCCCCCCCTGTCCTGCAGAGAAACTTTAAACGGAAAAATCTATGCAAGGCCCTTGG
 CCATTTAATCTTTATTTAAAGGGAACCTGACTTTACTTCAGCTAGGGCCCTAGTTTGTCTCTAATAAAAAACTTCCCGTTTtaggt
 TGGCAGTTCAATCCCAAGCNTGTACATGTACAAAAATTAATTANGGCANTTGATNAAATN

Q9925313.Seq

GNNNNNNNNNTTGAATATNCCGTCTATTNGTCTTTTTCAGGATCCCCATCGATTGAAATTCGTGACCCACGCGTCCGGGCTGT
 GCGCCATTAAAGGATAGTGTACTTTTCAATCAGATTAGATTGTAAACCATGGCCGGATTTCGGTGCACTCCAGACTTCAATGAAGGTC
 AAAGATCAATGCCAGCAAAAACCAACAGGATGAAGGTAAATGTTTCATTGGAGGCTTAGTTGGGATACAAGCAAGAAAGACCTAAC
 CGAGTATCTGTCTCGGTTTGGGGAGGTGTTGGATTGCACAATCAAAACTGACCCCGTGAATGGCGGATCAAGAGGATTTCGGCTTTGT
 TCTCTTCAAAGATGCTGTGAGCGTTGACAAAGTTCTTGAAAACAAACGAGCATAAACTAGATGGCAAGCTTATTGATCCAAAAAGAGC
 TAAGGCACTGAAAGGCAAGAGCCCCCAAGAAAGTCTTTTGTGGTGGACTCAGTCTGAAACAAACAGAGGAGCAGATCAAGCAGTA
 TTTTGGTGGATTGGAGAAAATTGAAAATTGAACTGACCAATTGACACAAAAACAAACGAAAGGAGAGGCTTTTGTCTTGTACCTTA
 CACAGGTGAAGAACCACTAAAGAGCTTTTGGAAAGCCCCGNTCCCCCAATTGGTACANGGAAAGTGTGAAATAAAACTTCCCAGCC
 CAAANAAGTTTCNNNGACACANCAACCNCNANGGGAGGAAGACCATTCCTT

Q9925314.Seq

3NNNNNNNNNTTGAATCCCNNTNATTTGTTTCNCCTTTCAGGATCCCATCGATTTCGAAATTCGTCCGACCCACGCGTCCGCAGCTACCT
 3CACTCACTGCAAGAGATCGGGGATCTGCTAAAAGAGAGACTCGAAACATTAATAAACTCAAAATCTAGAAATGTGACCCCTGCTTCT
 TAAAGTGAGTGGTCAATATCACAAAAGAGCTCCTGGTCGCCATCTTAACCTTAATCCAGAACTTCTTCAGAAATGCATGAAAGGACTTA
 AACCATCAGCTTTTTTTTTCTATTTTAGGTTTTCAGGAAATTAATTTACGGCTACTTTTAAATTTATTTGTACATAAACAAAGGAAGCA
 GCACCCACAGTTTGGGTTTACCACTTTTATACATAATTCATAAACCTGTTCGCAACAGCAAAATGGATGTTTCATACCCATTTGATCA
 TCATGTGAACCTTGAAACCTTGGAAAGGATGCAGCAATAGATATCCGCTTTATCTCGAGGAGACTAGTTTCAGTCACCACTACAGTTCT
 TTCCCAATTAAACGGCACAGTACAGTTTCATCTTTATTTATTCATCCCTTTTAAATCCTGTGATCTGTCTGCTTTGAAAAATGGCTT
 TTTTTTTTTTTTACTTTATTTTAACTCAAGACTGAATCATGAAACTGAGTGGTAGCAGCTGTGTTCATTTNCAATGCACAGTACCAA
 TAGAAATCATTTNCAGCTGGGAATAACACAAACAAAATGGACTGCAGATTTTGGGAAA

Q9925315.Seq

GNNNNNNNNNNNGAATCCCTTTNNTTGGNTCCCTTGCAGGATCCCATCGATTCCGAATTTCGTGACCCCAACGCGTCCGGGACGC
 GTGGGAAAAAGTTGCTCCCTAAAGCATTTTCGTCTTAATTATACATTTTCAGTCTAATATGCACACAATATTTGGAAACGATATGG
 ACCTCATTTACACTGATCACCTGCTTGTGAAGTTGGTGCAATGGCCTAGTGGCTGTGTATTTTAGTTATCAGGGCACTGCTGTGT
 AGTGACACCGGGGATCAGCACCCACCTTAGATGGGCCATTAAAAATAATAAATAATTAATCTTTGAACTGATATGTGATGTTATGG
 TTTTCCTGTTTTGGTCCCGGTATATAATTTTTTACTACCTTATAGTGTGATGGCTATACATCTCTTGATACACAAATTAGAAAAGTGT
 TGCTGAGAAATTTATATTTATACCACTTATATAGAAATTGCAGAAGCTTTGTTTCAAGACAATGTATCAGACCCCTTATTGGAACTCT
 GTCTCAATATCCACACCACTGGGGTCTGAACCTGCAAACTCTGTTCTAGCGTTATTTCAGAGATAGAAATGTATGTGGGTAAAGATCTTAG
 AATACATAACCGTTACACCTTCGTTTTTAAATTAAACTGTATCATTTGGATTCCCTGATAGAAACCCGCAAGCCCTTGGAAAGTGT
 GCCTACAGAAAAACAATGGCATTTAACCTACTGAAACATGTTATAATGGGAACACCCAGG

Q9925316.Seq

NNNNNGNNNTTTGAAACCATCTTTTGNNTCTCTTGAGGATCCCATCGATTTCGAATTCGTGACCCACCGTCCGATGAAATGAAA
GCCATTATTTTAAATTGTGTTCTACTTCTTACAACTGCAATTGTCAAGTGTATTTGCTCATGTCTTCCATAGGTATGGAGATGGCTCTGA
AAATGTACTGTCTGCATGGTTTATTCAAATAAAGTGAGGATGGTTATTAAAGACAGAACAAATGCACCTTCCCTAAATGGCATTACATTCT
TTTTCTTTTATATTGNAAGAGGGGAATAATTCCACTCCTCAACTTGCGAAGACTTAGGAAATGCCAAAGGTGTCACTTAATGTTTG
CTGGTATCATTTTGTCTTAAATAAAGAACTTTTGTTCGAAAAAATAAAGGCGCGCAAGGCTCTCGAGCCTCTAGA
ACTATAGTGAGTCGTATTACGTAGATCCAGACATGATAAGATACATTGATGAGTTTGGACAAACCACTAGAAATGCAGTGAAAAA
AATGCTTTTATTGTGAAATTGTGATGCTATTGCTTTATTGTAAACCATTAAGCTGCAATAAACAAAGTTAACAAACAATTGCA
TTCATTTTATGTTTCAGGTTTCAGGGGAGGTGTGGGAGGTTTTTTAATTTCGGGGCGCGCGGCCCAATGCATTGGGCCCGGTAC
CCAGCTTTTGTINCCTTTAGTGANGGTTAATTGCGCNCCTTGGCGTAAATCATGGC

Q9925317.Seq

ANCCATTGATANNCCCTCTACTTGTCTTTTTTGAGGATCCCATCGATTCCGAATTCGTCCGACCCACGCGTCCGGGAGGAATTGGG
 TTTGTTAGTTAAACTTGAGGCTAATTTGTCTGTACGCACAGAGTACAGTTGTAGGAATCCAGGCAGAGCAGCGAGGTGTGTCCGTC
 AGAGCTGACTGCTGGGCGCGACCTGTCTCATCCCGGTACCCCTTCCCTATCGGTGTAGATTTCTGCCCTCAGCTGCGTCTGTCC
 GGAGCAGGGAATGGGCAATAATGGCCACGTCTCCACGCCAAAGTATAATCAAAATTCATTAGAAAATTTCTGTCCGAAGGTCTCCAG
 GAGATGGCATTAACCATGAACAAACGATGAAATATCACGTCTACCAGGAGAGACCTTAATTACCGACAAAGAGTAATCTACATGT
 GTCCATTTTATGGTCCTGTCAAGGGGAGAAATATATGTTACAAATTATAAACTGTACTTCAAAGGTGAGGAGATGGAGCCACTGATAA
 CTTTCGCTGTTCCACTTGGTGTCAATTGCAAGGATAGAAAAGATGGGGGTGCATCAAGTAAAAGGAGAAAAATTCATATGGTCTGGAT
 ATAACCTGCNNAGATATGAGGAATTTGAGATTTGCTCTGAAACAAGAAGTGCACAGTANAAAAACAGATATTTGAAGATCTTACAAAG
 NATGCCCTTCCCTGTCACATGGCTTGCTTTTTTTTGGCCTTTTCAAANGAAGAAAA

Q9925318.Seq

TNGAANCCCTTTTGAAATCCNTNICTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCTGTCGACCCACGCGTCCGACTAGTTCTA
GATCGGAGCGGCCCAAGGCTCTCGAGCCTCTAGAACTATAGTGAGTCGTATTACGTAGATCCAGACATGATAAGATACATTGATG
AGTTTGGACAAACCACTAGAAATGCAGTGAAAAAAATGCTTTATTTGTGAAATTTGTGATGCTATTGCTTTTATTGTAAACCATT
TAAGCTGCAATAAACAGTTAACAAACAATTCATTTCATTTTATGTTTCAGGTTTCAGGGGAGGTGTGGGAGGTTTAAAAATTCG
CGCGCGCGCGGCGCAATGCAATGGGCGCGGTACCCAGCTTTTGTTCCTTTAGTGAGGTTAATTGCGCGCTTGGCGTAATCAT
GGTCATAGCTGTTTCCCTGTGAAATTTGTTATCCGCTCAAAATCCACACAATACGAGCCGGGAGCATAAAGTGTAAAGCCTGGG
GTGCCTAATGAGTGAGCTAACTCACATTAAATTGCGTTGCGCTCACTGCCCGCTTTCCAGTCGGGAAACCTGTGTCGCCAGCTGCATT
AATGAATCGGCCAACGCGCGGGAGAGGCGGTTTGGGTATTGGCGCTCTTTCGCTTCCCTCGCTCACTGACTCGCTCGGCTCGGTG
TTCGGCTGCGGCGAGCCGGTATCAGCTCACTCAAANGCGGTAAATCCGGTATCACANN

[illegible]

Q9925319.seq

Q99Z5319.1.seq
 3NNNNNNNNNNNNNNNNNNNTTGAANCCCTTTGAATCCTTTACTTGTTCNTTTTTCGAGGATCCCTCGATTGCAATTCGTGCG
 ACCACGCTCCGAGAGGTAGAAAAGGCAATCATGNTGAAGAGAAACCCAAAGGAGGTGTGAAGACAGAGAATGACCACATCAACC
 TGAAGTGGCAGGCGAGGTGGATCTGTGGTTCAGTTCAAAAATAAAAAGGCACACCACTCAGCAAGTTAATGAAAGCTTACTGCG
 ACAGACAGGGCTATCAATCGCACAGATGAAGGTTCAAGTTTGAATGGACAACCTATCAATGAAACAGACACACCTGCACAGCTGGAGA
 TGGAAGATGAAGATACCATTGATGTGTTCCAAACAACAGACAGGTGGTTTGTCTAAACAGCCGAAACAAGCTCAATCTCCAGTATGGC
 AGGAGCTCAAAATCCCTCCATATGCCTCATTTTTCACCTATATGCCCTTGGATTTGCTGTTAAATAGTAACATGGAAACAAACATGC
 TGATCACAGCACCTCTGAAAACGTTTGCGAACCTTCCCATGGATGAAATTCAAATCAGAAATGCAGTTTCTTTTCCAGCTGAAACG
 TGCCAGACGTTGTATAGAGGTCAAATCTGAAGCATTTGTCTTTTCACTGCTGAAAAGTTTTCAGGCTTTTTTTTGTGCACTGTTTGT
 TTACAGCAAGTTCTCTTTAGTTTCCCCCCCCCTCTGTTTCTTCAGATGTAAATAAATTGGATCCTTGCTTGAGTAATTTTGTAGCCN

Q9925320.Seq

GTTGAANNCCCTTTTGAAATCCCNNTNTACTTGTTCNTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGCTAAT
 AGCATGTTTAATGATACGATTTCCCTGTACTATAAGGAGAAATGGAGAAATATGTTGAAGTTCCACTCGCAGGAAAAGGAATCTCGTGG
 TGGACTGATTACAAATGTTAAATTTTCGAAATCCGACAAGCGGCAATGAAACTTTTGGCTTACCCTTAAGTCAGTCTTTCAAGGTACAGCA
 CAGCCTCCAAACTGGTTAACGCCCTGTATACAATCTTTTCGGATGATCCCTATAACACAGGGTTTATAAATGAAGATTTCAATGTTTGG
 ATCGAACACGACGCTTTTCCGGAAATTTGATCGCAGAAATGAGTCTGGGAATTTTACAACAGGTCTACCCCTGGGGAA
 TATCGGCTGAAGATTGTGTACAATTATCCGTACTAAGCTTTGGAGGAGCAAAAAGATTGTGTTTCAGTAGCGTGTCTTGATGGGA
 GGAAAAAACCAATTTCTAGGCATTGCTTACCTTGATGTTGGTTCTGTATGTACATTCCTTAGCAATTGTAATGTTAATTGTATTTCTG
 AAACTTCACAAAAGGATGATGAAGATGAGGACAGTAATACATTTGTAGATTAAATGATTAAATTTCTTCCATCTAGCTAAACT
 TTATAATGCCATATCCAAATCCCAAGCAATACTTCAACAATCTGTTAAGAATGTTTCCAATGACTT

Q9925321.Seq

T'TNNANCCATTGATATCCN'TCTTGTTC'TTTT'TG'CAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGAAAAGTGAATGG
 AGTTGTGTAAATATTAAATCAGGGATACGGGTCTGTCTGGGAGGTATGGAAGATCAGGACATCTGTGCCCTATAGGGAGCGACGCCAGCG
 CAAAAGTCCAGAGGAGGAAGAGGCACCTGGAAAAAGAACATTTCTGGAAGATCATCAGTGCCTTTACTGGCTATGGATGTACCATTC
 TGAGCAAGTGAACCGCACAGAAAGACAAATTAAATCTCTTCCAAAGAAATCAACAGAAATTGCTTCCCTCACTTCCCTCCTCACTTGA
 CAGCATCCGTCAGTGCATAGAGCAACAACAGATGATTTTGCAATGATTGTGGACGATTGTACCCATATGTTTGAATAACAAAGAATA
 CGGTGTAAATGGTTACAGAAAGCCTACTCTCTCTTCCACCTTTGAAATGGACAAGCTGAAATCTACTATAAAGCAGTTTGTGAGAGA
 TTGGAGTGAGGATGGCAAGTCAGAGAGAGATGCAATGTTACCGCCTATTGTTGATGAGATTCTTAAATATTTCCCAAAGATAAGAG
 TGATGCTCCCAATATAAATATCTTGGTACCTGGGGCAGGACTTGGTAGGCTGGCATGGGAAATAGCTAAGCATGGGTATTCTTGGCCA
 AGGGAATGAATGGAGTTTCTTCATGTTATTTTCCCTCAAATTTTNGNGCTCAACAGATG

Q9925322.Seq

TTGANATNCCGTCCTACTTGTCTTTTTCAGGATCCCATCGATTGGAATTTCGTCGACCCACGCGTCCGCTCTCTTATGTCTTCTGCC
 CTGGAAGGAGAGCTCACAAATCGTCCTGGGAGCGGGGTTGTCCCACTGCCCGAAACGTATGATGTGGCCCCCTGAATCCCCAAACCT
 CTGAGACTGCCGACACAGCAATTTGCTACATCGTCAATGGGGTGTACTGAAATGAGAGGGATGAGGTGCTGATGATGCAGGAGGCAAG
 CCTGAATGCCGAGGAAGCTGGTACTTGCCTGCTGGCCGGTTGGAGAAGGGGAAACACTGGTGGAAAGGATTGTGCCGAGAGGTAACA
 GAAGAGACGGGACTTACATGTGAACCCATCACCTCCTGGCTGTGGAGGAGAGGAACAGCCTGGATTGATTGATTCTCTGGCC
 CGGCAGACAGGTGGCTCTTTGAAGTCTGAGCTTTCAGCAGACTCAAAATCCCTGCAGGCCCTCTTGGTGGGACACAGTTTCATCATTA
 CCCTTGGCTGCAGAGACATTTGTAACCTCATCAAGCTGGCTATGGAATATCAGAAGCTCCCGTCTCATCCCTCTGTCTACCTCAG
 GTCTTCCCTTCACCCCACTTGGCCCTTGTCTCTGTGCTTTGGTTCAANAAGGGCAGGTTTGGGTGCTACAAAATGTCTCC
 ATTCTCATGGNCTTCCCTGTTATTTTGTCTTCCCCAAGCAGATCGAC

Q9925322.Seq

TTGANAATNCCGTCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTCGACCCACGCGTCCGCTCTCTTATGTCTTCTGCC
CTGGAAGGAGAGCTCACAAATCGTCTGGAGGGGGTGTCCCACTGCCGAAACGTATGATGTGGCCCCCTGAATCCCCCAAACCT
CTGAGACTGCGACACAGCATTTTGCTACATCGTCAATGGGGTGTACTGAATGAGAGGATGAGGTGCTGATGCAGGAGGCAAG
CCTGAATGCCGAGGAAGCTGGTACTTGCCTGTGCTGGCCGGTTGGAGAGGGGAAACACTGGTGGAAAGGATTGTGCCGAGAGGTAACA
GAAGAGACGGGACTTACATGTGAACCCATCACCTCCTGGCTGTGGAGGAGAGAGGAACAGCCTGGATTTCGATTGTGATTCTCTGSCC
CGGCAGACAGGTGGCTCTTTGAAGTCTGAGCTTTTCAGCAGACTCAAAATCCCTGCAGGCCCTCTTGGTGGGACACAGTTTCATCATTA
CCCTTGGCTGCAGAGACATTTGACCTCATCAAGCTGGCTATGGAATATCAGAAGCTCCCGTCTCATCCCTCTGTCTACCTCAG
GTCTTCTTCAACCCCACTTGGCCTTGGCCCTTGTCTTCTGTGCTTTGGTTCAANAAGGGCAGGTTTGGGTGCTACAAAATGTCTCC
ATTCTCATGGNCTTCTGTATTATTTTGTCTTCCCCAAGCAGATCGAC

Q9925323.Seq

AGTTGATATCCNTNTCTTGTTCTTTTTCAGGATCCCTCGATTTCGAATTCGTCCGACCCACGCGTCCGTGCGTCTGGAAGAGACAAC
 ATGGCGCCTCCGTAAATGTACAGCCGGCTGTCAAGCTGGATTGAGGAGTCGGGTGCCCTCGCCTCGGTCCGCGAGTTCAGGTGCTCAGT
 GGATTCTCGTGTGTTTCGGTGCCATGGTGTCCAAGCACAAACATCGAAATCTGTCTCTTCAATGAGTATTTGAGCATGGACCTG
 CTGAAAAATGCTGGTGTGCCATTCCAAAAGGTTGTGTTGCAAAAACACCATGAGGCTTATACAGTAGCTAAAGAAATTGGTTCA
 AAGGATCTGGTTGTTAAAGCACAAAGTATTGGCTGGCGGTAGAGGCAAGGACCTTTGAAGGAGGTTTAAAGGAGGAGTGAAGATT
 GTTTATTCACTGAAGAAGCCAAAGACATTGCATCTCAGATGATTGGGAAGAAAGCTTTTCACAAAACAGACCCGTGAAAAGGGCAGG
 ATATGCAATCATGTGTTTATCTGTGAACGAAGGTATCCAGACGAGAGTACTACTTTGCAATTGCTATGGAAGGGCATTTCCAAGGC
 CCTGTCTAATTGGAAGTTCCTCAAGGTGGTGTAAATATTGAAGATGTTGCTGCTGAAATCCANATGCCATTATTAAGGAACCCCATTG
 ATNTTTATTGGAAGGAATAAAGAAAGAGCAAGCTGTCAAGGCTTGCAAAAA

Q9925324.Seq

GNNNGNNNNNNNNNTTGNAAA CNGTTGAAAATCCCGTCTCTNGNTCTTTTTCAGGATCCCATCGATTGAAATTCGNCGACCCAC
 GCGTCCGCCCTTAGATCACTTTGGGGGTCTTTACTGTGTCCCTTTAACTTTTCTTCCCTCACAAACATGGACATGAAAAAGAGATT
 GATGCTGGAGCTCAGGAAATCGGAAAGCGGTGACGCTAAAGAAATTGGTTCTAGATAACTGCCGTTTCAGACGATGGCAAAATTATTGG
 ACTGACCTCAGAGTTTGAAAGCCTGGAGTTTCTCAGCATGATAAATGTCAACTTATTATCTGTAGCTAACTTGCCAAAGCTCCCCAA
 GTTGAAAAAGCTGGAACCTCAGTGACAAATCGAATCTCTGGAGGATTAGAGGTACTGGCAGAACGGACCCCAAATTTGACACACACCTGAA
 CCTCAGTGGGAACAAGATAAAAGAGATAAATACCTAGAGCCACTTAAGAAACTACCTCATCTCATGAGTCTGGACCTCTTTAACTG
 TGAGGTGACCATGCTAAACAACTACAGGGAGAGTGTTTTGAACCTTCTCCCTAAGCTTACCTTTTAGATGGTTTGTGATGCAGATGA
 CCAGGAGGCTCCAGATTCTGATCCAGAGGCTGAAGATTTANAGGAAAATGGAGAGGATGGTGAGGAGGATGAANAAGATGATGAAGA
 AGAAGAAGAAATTTGAAGATGAANCTTGATGAGGATGAAAATGAGGAAGGTGAAAAANGANGAGGATTGGAAA

TCGA E460T660

Q9925326.Seq

TTTGANACCCNTTTGAATCCCTNTCTTGTTCCTTTTTCAGGATCCCTCGATTGCAATTCTGTCGACCCACGGTCCGGTGAGCAGATT
TTCAGCAAGATGGCAACAGTAGTGTCTTGTGATCAAGAAAATGGAGATGTTGGCAGTCCGTTGCATAAAGATCGTGGAATGTTCCCTG
AGCTCAAAGACTCAGTCCAGAAAGGCTGTGGCATCGCTCCAGGTAAGTGTCTGGTAAATCTGAGATGGTATCCAAGCCTTCCAGA
AAAGCTCTGGGAAATGTAAACAAGCAGATCTTGCCAAAGACGGCAGCAACTGCACAAAAGTGACCTTAAACAGAAAAGCACTGTA
CCCATCGGCAAAAAGGCTGTCTTCAAGCAACCTGTTAAAGACTTGTATCCTGAAATTGAGCACTTCGTCCCTTATAATCCTTTA
GACTTTGAAAAGCTTTGATGTTCCAGAAAGACCAATAAATCAGTCACCTTTGCCCTAGCAGGTGTTTCACTCCTAGTTCATGAGAAATGAA
GTTGCAAGGTTTAAATGCTTTTGACAGATATACAGCTGTCTCTGGAGATGCCGTCACTTAACATGGTTTCAGATTACTTGCCATTT
ATTGCTGCATTAGATGACATTACTGTGGACTTGGCTCCTGTGGAACATAATTGACTTTTGTCTTTTATAAATTTGGTTTTTAAATATGT
GTAATAAATTTTTTTTAAATAAAAAAATAAAAAAANGGCGCGCCGCAAGGCCCTT

Q9925328.Seq

NTTTTGGNANCCCTTTTGAAATCCNTCTCTTGTTCNTTTTGCAGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGAGGCAAT
 CATGCTGAAGAGAAACCCAAAGGAAGGTGTGAAGACAGAGAAATGACCACATCAACCTGAAAGTGGCAGGCGAGGATGGATCTGTGGT
 TCAGTTCAAAATAAAAAGGCACACACCCTCAGCAAAGTTAATGAAAGCTTACTGCCGACAGACAGGCCCTATCAATGCCGACAGATAAG
 GTTCAGGTTTGATGGACAACCTATCAATGAAAACAGACACACCTGCAAGCTGGAGATGGAAGATGAAGATACCATTGATGTGTTCCA
 ACAACAGACAGGTGGTGTGTTGCTAAACAGCCGAAACAAGCTCAATCTCCAGTATGGCAGGAGCTCAAAATTCCTCCATATGCCCTCATT
 TTTACACCTATATGCCCTTGGATTTGCTGTTAAAATAGTAAACATGGAACAAACATGTCATCACACGACACTTCTGAAAACGTTTGGC
 AACTTCCCATGGATGAAATTCATCAGAAATGCAAGTTTCTTTTCCAGCTGAACGTGCCAGACGTTGTATAGAGGTCAATCTGAA
 GCATTGCTTTTCACTGCTGAAAGTTTTCAGGCTTTTTTTTGTGTCAGTACTGTTTGTGTTTACAGCAGTTCTCTTTAGTTTCCCCCCT
 CTGTTTCTTTAGATGTAAATAATGGATCCTTTGCTTGAGTAAATTTTGTAGCCAGTTCCATGC

Q9925330.Seq

NTTTGATAATNCCGTCTCTTGTCTCTTTTTCAGGATCCCATCGATTTCGAATTCGTCGACCCACGCGTCCGGCAGCGTGGAGAGCACAG
 GGGAACTTTCTATCGGGCGGTGCAGAGACACGCTTCTGTTGCTGTTGTGGATAGGATAGTGTGGCAGAAAGTGAAGCTCGAATAT
 TGAAAATGGCAAAGTGGATGCCGTAAAATCTGAAAATCTGGACCGTGGTGTAGCAGCCATTAAAAACCAATTTCTGACCCACCAAGA
 TAAGTTTCATGCTTTTCATCGATGCTGATGGAAAGGACGTTACGGAAAAGGAAACTTGTTCAGAGCTGTCTGTTAATGATGCAGAGAA
 CACGACCCGTACCGAGAATGCAGCAGAACCTGAAGCAAAACGAAATTAAGCTTGATGGAGTAGTGAAGGCCAGGACCAACCCCC
 CAAGACTGCAGAGAAACAAGCAAGAAAGAGCCAGAGGACAGAAACAAAAGTCGACCTCACATGAAACATTCCTCAGTTTGAAGA
 AAATAAACTGTGTCCATCAGTTACTCAGGAATGTGCCAGTAAATGTTTTTTTGGAGACAAAATGCAAGTTTTTCGCACGATGTTGCCAA
 ATATGTATCACAAAAGCCAGAGGATATTCGCCCAAACTGTACCTGTATGAGACTTTTGGCAAAGTGCAATTTATGGAGTCACATGTCG
 GTTCGCCAAATCACACATGGGGGNGGATTTTAAGAACATAATTAATGAAAA

Q9925332..Seq
 NANTTTGANATACNAGTCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTCCGACCCACGCCGTCCGGTGGAAAGTGGAT
 ATTCCCCCAGAGCCCAAGAAATCCATGCATTAAGAACAAAATGGGCTTAAAGACCTTTAAAGACACCCATAGCTGCTGGACATCC
 ATCCATGAACCTTGTGCTCCGCAAAACATTTGATCTGTATGCAAAATGTGCTCCATGTGTTTCCATTGAGGGATACAGGACCCCTTA
 ACAGATGTAGACCTGGTCACAATTCGTGAGAACACAGAGGGAGAAATATAGTGAATTGAGCATGTGATTGTGGATGGTGTGTACCA
 AAGTATTAAAGCTTATTACAGAAGAAGCAAGCCATCGCATTCACAGATTGGCTTTGAGTATGCAAGGAACAAACAGAGAAACTTTAAAGA
 TACTGCAGTGCACAAAGCAATATCATGAGAAATGTCTGATGGGCTATTCTGAATAATGTCCAGGATCCATCCAGTTTGTGCTGTCATGCCAAA
 CATTAAGTTTAAATGAATGTATCTGGATACAGTGTCTTAAATATGTTGAGGATGACACCTACTGGAAATATCGGTGCTTATGG
 CCTCTACGGTGACATCTTGAGTGATCTTTGGCAGGTCTAAATTTGGANGCCTGGGAGTGACACCTACTGGAAATATCGGTGCTTATGG
 GGTAGCAATCTTTTGAATCGGTTTCATGGCNCAGCCCCCAGATNTTGNTGGAAAAAG

Q9925333.Seq

GNNNNNNNNNTTNGAAANCCCNNTNNTGAAANCCCGTCTACTTGTTCCTTTTGCAGGATCCCATCGATTTCGAATTTCGTCGAC
 CCACGCGTCCGCACGAAAGGCTGGTGTCTGCTGGACGATTGGAAAGTTCTGTCCCAGAACTTATTGAAATGCTTGCACTT
 TCAAGGAAACCAAGAGCTCAGCCAACTGGAGAGAGAACCAAAATTTAGAGTTATTAATTCAGAGGATGGAGAAATCCAAGAACTG
 ATGAAAGTGGCATTCAGCCAGGGGAAGATTCAACCAAGAAATGCAGGTTTGTAGAAAAGAGTGGAGAAGAGGGACAGTGATATCCAN
 CAATTACAGAAACAGTTGAAGGAAAGCCGAACATATATTGGCAACAGCTGTCTATCAAGCTAAGGAAAACTGAAATCAATAGATAAA
 GCAATAAAGGTTCAATATCTTCTGAGGAACTTATTAAGTATGCCCATCGAATTAGTGCAAGCAATGCTGTATGTCTCCTTTGACT
 TGGGTGCCAGGTGATCCCGAAGGCTTACCCCACTGATTTGGAAATGAGGAGTGGCCCTACTGGGTGAGTGAACCTGCCCCTACC
 AATGGAGTCAATGGACATTTGCCCTGGGATGCACTGGCTGCTGGACGACCTNCCANATGTCTTGGCGCCTCAATACCCGTGGCAATCA
 AATGACATGTCCATGAACATGTCTACCTCCAAATCACAGTAATGAAATTTTAAATGGAATCCCTTGGGGCCCN

[illegible]

Q9925334.seq

[illegible]

Q9925326.Seq

TTTGANACCCNTTTGAATCCCTNTCTTGTCTTTTTCAGGATCCCTCGATTTCGAATTCGTGACCCACGCGTCCGGTGAGCAGATT
 TTCAGCAAGATGGCAACAGTAGTGTGTGATCAAGAAAAATGGAGATGTTGGCAGTGCGTTGCATAAAGATCGTGGAATGTTCCCTG
 AGCTCAAGACTCAGTCCAGAAAGGCTGTGGCATCGCTCCAGGTAAAGTGTTCGTAAATCTGAGATGGTATCCAAGCCTTCCAGA
 AAAGCTCTGGGAAATGTAAACAAGCAGATCTTGCCAAAGACGGCAGCAACTGCACAAAAAGTGACCTTAAACAGAAAAGCACTGTA
 CCCATCGGCAAAAAGGCTGTCTTCAAGCAACCTGTTAAAGACTTGTATCCTGAAAATTGAGCACTTCGTCCCTTATAATCCTTTA
 GACTTGAAGGTTTGAATGTTCCAGAAAGACCAATAAAGTGTGTTGCTAGCAGGTGTTTCACTCCTAGTTCATGAGAAATGAA
 GTTGCAAGGTTTAAATGCTTTGACAGATATACAGCTGTGTCTCTGGAGATGCCGTCACTTAAACATGGTTTCAGATTACTTGCCATTT
 ATTGCTGCATTAGATGACATTACTGTGGACTTGCCCTCCTGTTGAAAGACTATTGACTTTTGTCTTTTATAAATTTGGTTTTTAAAAATGT
 GTAATAAATTTTTTTTAAATAAAAAAATAAAAAAANGCGCGCCGCAAGGCCTT

Q9925329.Seq

GNNNNNNNNNAGNNNNNNNGTTGAANNCCCTNTGAATCCCTTNACTTGTCTTTTTTGCAGGATCCCATCGATTTCGAATT
 CGTCGACCCACGCGTCGCTCATATCTTTTATTTTTTACTTTTATAAATTTCGTCTTTTTTGGTCTTTGAGAAAACTTGACCGCATAA
 ATGCTGTTTATATTACATTTCCCTAGGTTGTGTCACAGGCCTCTGCACCATGCCCTTGTACTAGTCAGTGCCGAAGGGGGCCTA
 TTCCTTCATGAGCCTGCCCTCCAGGGATGGTTTCCTCTTTTAAAGCAGGTTGTGTACAACCTTTCAGTACACTGAAGGTAAGCTAAACC
 ATCAGCATCACTGGTATTTTTTAAAGTCTGTGTTGTATATTATATAATAACTATTGCTTTTGTACGCGGACAAATGAGAAATTTGA
 TTTCTAGTGGCAGAGTTAACCCCTGCGATGTTTCAAGTGACCTGTGTTGGGATTTCTTTATGTTGCGTTTGTATTGGACTGTAT
 AACAGCAGCAGTTGCAACAACCTTCTCTTCAATACTGTACCATTTGTTGCGCACTTGATGGATAAAGCGCCTTCAGTGTACTGTCTA
 AGTAAATTTTGTACTTTTTTTTTTTTTTTTTTTTTTTTTTAAATCTGTTTCTTCAATATTGAGCATTTTAAATTCATGTGTATAATGACC
 CAGAAATGTTACATTCAAAATCAAAATATGGGGACAATGTTGGCATGTTTAAATAAACATTTTAAACAACCAAAATGTTNTGINT

Q9925330.Seq

NTTTGATATNCCGTCTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGCAGCGTGGAGAGCACAG
 GGGAACTTTCTATCGGGCGGTGCAGAGACACGCTTCTGTTGCTGTTGTGGATAGGATAGTGGCAGAAAGTGAAGGCTCGAATAT
 TGAAAATGGCAAGTGGATGCCGTAAAACTTGAAAAATCTGGACCGTGTAGCAGCCATTAAAAACCAATTTCTGACCACCAAAGA
 TAAGTTTCATGCTTTTCATCGATGCTGATGGAAGGACGTTACGGAAAAAGGAAACTTTGTTTCAGAGCTGCTCTGTTAATGATGCAGAGAA
 CACGACCCGTACCGAGAAATGCAGCAGAACCTGAAGCAAAACGAAATTAAGCTTGATGATGGGAGTAGTGAAGGCCAGGACCAACCCCC
 CAAGACTGCAGAGAACAAAGCAAGAAAAAGAAAGAGCCAGAGGACAGAACAAAGTCGACCTCACATGAAACATTTCCAGTTTGAAGA
 AAATAAACTGTGTCCATCAGTTACTCAGGAATGTGCCAGTAAATGTTTTTTTGGAGACAAATGCAAGTTTTTCGCACGATGTTGCCAA
 ATATGATACAAAAAGCCAGAGGATATTCGCCCAAACCTGTCACTGTATGAGACTTTTGGCAAGTGCATTATGGAGTCACATGTCG
 GTTCGCCAAATCACACATGGGGGNGGATTTTAAGAACATAATTAATGAAAA

Q9925331.Seq

AGTTTGAAATNCNGTCTACTTGTCTCTTTTGCAGGATCCCATCGATTCTGAATTCGTGACCCACGCGTCCGAAAGTTTTGGTCCTGA
GGAGAGGTCAGGGCTCTGGTTTGAGTCTGTCAGTCTCAATTAATCAGTCTAGCGCAATTATGCCCTTTCCGGTAACTCTCACAAACAC
CCTGAAGATGAAGTACTCCGTGGATGAGGAGTTCCCGGATTGTCTGCCCAACAATCATATGGCCAAGGTGCTGACGCCGGAGCT
CTACGCAAAACTGAGGGACAACAGACACCTAGTGGATTACCGTGGATGTCAATTCAAACTGGGGTTGACAAACCCAGGTCAATCC
CTTTATTATGACCGTGGGATGTGGCTGGGATGAAGAACTTTATGAAGTCTTTAAGGATCTCTTTGACCCCAATTATTGAGGACAG
ACACGGCGGCTACAAGCCCAACAGATCAGCACAAAGACTGACATAAATCTGCAAAACCTGAAGGGAGGTGATCTGGACCCCAACTA
TGTACTCAGTTCTCGTGTGTCAGAACTGGAAGGAGCATTCGTGGATACAGCCTCCCACTCACTGACGCCCGTGGAGAAAGGCCGTGCAA
TTGAAAAGATGTCCATTGAAGCACTTGCTAGCTTGGATGGAGACCTAAAGGAAAATACTATGCTCTGAATAGCATGTCTGAACAGG
AGCAGCAGCAGCTTATTGATGACCACCTTNCCTGTTTGATAAGCCAGTTTTT

TE24" E468T660

Q9925332.Seq

INANTTTGANATA CNAGTCTACTTGTCTTTTTCAGGATCCCATCGATTTCGATCGACCCACGCGTCCGGTGGAAAGTGGAT
GATTCCTCCAGAGCCAAAGAAATCCATGCATAAGAACAAAATGGCTTAAAGGACCTTTAAAGACACCCCATAGCTGCTGGACATCC
ATCCATGAACCTTGTGCTCCGCAAAACATTTGATCTGTATGCAAAATGTGCGTCCATGTGTTCCATTGAGGGATACAGACCCCTTA
CACAGATGTAGACCTGGTCACAAATTCGTGAGAACACAGAGGGAGAAATATAGTGGAAATGAGCATGTGATTTGGATGGTGTGTGTACA
AAGTATTAGCTTATTACAGAAAGCAAGCCATCGCAATTGCACAGTTTGCCTTTGAGTATGCAAGGAAACAACCCAGAGAAGCACGGT
GACTGCAGTGCAAAAGCAAAATATCATGAGAAATGTCTGATGGGCTATTTCCTGAAAAAATGTCGAGAAGTTGCAGAAAACTTTAAAGA
CATTAAAGTTTAA TGAAATGTATCTGGATACAGTGTGTCTTAAATATGGTGCAGGATCCATCCAGTTTGATGTGCTTGTGATGCCAAA
CCTCTACGGTGACATCTTGAGTGATCTTTGCGCAGGTCTAATTGGANGCCTGGGAGTGACACCTACTTGAAATATCGGTGCTTATGG
GGTAGCAATCTTTGAATCGGTTTCATGGCNCAAGCCCAAGATNTTGN TGAAAAAG

Q9925333.Seq

GNNNNNNNNNTTNGAAANCCCNNTNNTNTGAAANCCGTCCTACTTGTCTTTTTCAGGATCCCATCGATTGGAATTCGTCGAC
 CCACGCGTCCGCACGAAGGAAAGGCTGGTGTGCTGGACGATTGGAAAGTTCTGTCCCGAGAACTTATTGAAATGCTTGCACTT
 TCAAGGAACCAAGACTCAGCCAACTTGAGAAAGAGAACCAAAATTTAGAGTTATTAAATTCAGAGGGATGGAGAAATTCGAAGAACTG
 ATGAAAGTGGCATTTCAGCCAGGGGAAGATTCAACCAAGAAATGCAGGTTTGTAGAAAAGAAAGTGGAGAAAGAGGACAGTGATATCCAN
 CAATTACAGAAACAGTTGAAGGAAGCCGAACATATATTGGCAACAGCTGTCTATCAAGCTAAGGAAAACTGAAATCAATAGATAAA
 GCAATAAGGGTTCAATATCTTCTGAGGAACTTATTAAGTATGCCCATCGAATTAGTGCAAGCAATGCTGTATGTGCTCCTTTGACT
 TGGGTGCCAGGTGATCCCCGAAGGCCTTACCCCACTGATTGGAAATGAGGAGTGGCCCTACTGGGTGAGATGAGTAACCTGSCCTACC
 AATGGAGTCAATGGACATTTGCCCTGGGATGCACTGGTGTGGACGACTNCCANATGTCTTGGCGCCTCAATACCCGTGGCAATCA
 AATGACATGTCCATGAACATGCTACCTCCAAATCACAGTAATGAATTTTAAATGGAATCCCTTGGGCCCN

Q9925334.Seq

GNNNNNNNNNNNNNNNNNNNNNTTGAACCCCTTTTGTGAAATCCCNNTACTTGTCTCTTTTGCAGGATCCCATCGAT
 TCGAATTTCGACCCACGCTCCGGCTGGATACACATATAGACAGGAAAGAAACATTCCAACTTCAAGGATGGAGTAAAGAAAAC
 AGACTATCAGCTTACTATAGAGCCATTAGTCGATGAAGGTGATAAGCTAAATGGGCGTNTGCACTTTTCANCAATCACGTTTGTGGA
 GCGCAGGCAGCTGTTTCAACCGAAGTCTTATTAGTATAGTCAAAACAGCATCAAGGTTTCTGGCATCCCTAAATCCTCCCATGCT
 TGTGCCAGATGATAAATTAAACCCGATGGCATCCACGTTTAAATGTTGATGAGGTGCTGATATAATGCCCTGCTGAACCTCCATTGCC
 ACCACAGGTGGACAAACTAACTGCTCAAGAGGTGTTGTCCAAAGCTAGAGGCTTGATTACACCAAGATGGAAAAGCCCTTGC
 AAACCTGGCTCTGAAAACAGCAGAGAAATAGTGGGTAAACAAAAATGTATCCGATGAGACAAAACCTGCAGCAACAACCTCACGTCA
 AATGCACTTAAAGGAGTATCACAGTCTCTGTAGAACGGATACCGTGTAAAGAGGCTCAAAAGCTCAAGCCATAATGACCCCCAGA
 CCTCAACAAAGAGGAGCGTCTTCTCATGATGTCCAGGCTACCAAGAACTGGCTAGAACTCTGCGCAATGTGGTTTGTGGCTGAAAAN

Q9925335.Seq

ENNNNNNNNNNTTGAANNCCCTTNTNTGAAATCCATNTCTTGTCTTTTTCAGGATCCCATCGAATTCGAATTCGTGACCCACG
 CGTCCGGGGCTTTAAACTTAATGCAGTGGCGTGCTTCCAACTTATTTATTCGGCATTTTGTCTATTATCTGTGATTCGGGGTG
 AACGGAGCTAATCGTACAAAGGCATCATGGGAAGAGGGAAGAAAATGTCCAAACCCGGCGACGGAAGGAGCGGGACGTCCCCAGA
 GACCTGCAGGACCGGGCCCAATGAGAATCATCCTAAAAATGAACGGGGAAGTGGTTCATTAGGGCAGCCCAAAATCTACTCCTA
 TATGAGCCCAACTAAATCTCCAGTGGCCGCCCTCCCTGCAGGAAGAAAATCTGTTCACACAGAACTGTCTAGTAAATCCAGTAAGCA
 ACCCACAACAGAGACTCGCAAAAAGCGGAGGTTGAGAAAAGAGAAATATCTTCAGCAACAGAACTGTCTAGTAAATCCAGTAAGCA
 AAGAGAGACTGAATGCAATTCATAGGAGAGTATTTTCAACAAAACAAAGAACTGACCCGACGTACAGAGAAAACACCCGCAATTGACACC
 TGTAGACAAAGCTGCAGTCTCAGAAGATGGTTAAAAACAAATCTCAAAGAGGAAGGCTCAAAGAAAGAAAATCCCCCAACACAGAAAACT
 TACTGATTATACCTGTGAGAAAGAACTGCAGGAAGAAACAAAACNGAGCTTTGAGTCAAAAAGAAAAA

Q9925336.Seq

GNNNNNNNNNTTGAANCCCCCTNTTTGATATNCAATCTACTTGTCTCTTTTGCAGGATCCCATCGATTCGAATTCGTGACCC
 ACGCTCCGAGGATTGCCACGTGACCTTTCTGGCGCCATATTGAGGCCAAGCTCTGGTAGTATGTGAGGCTGTGAGTGGGGAGG
 GTGCTGAGCGAGTGCACTGTGCGGGGATTTCGGCGCAATTTTAGCCCTTGGTTTTTAACGCACCTATTTTAATTAATTGCTTTGGTTTT
 ATTGTAAAAACACTGGTATTTCAAGCAGCGGGGTGCCAGGAGTGAGAGTTCCGGGGAGAAATTAGCCAGAGAACCGGTACCGTGA
 GAATCCGTCTGTGCAATGGCCACCGCCACACCAAGCGGCCCAGGAGCTCCGGCCGAGAAGCAGCATGAGCACCCCGCTCAGTCCGA
 CCGGATCTCCCGCTGCAGGAGAAAAAGCGACCTGCAGGAGCTCAATGACCGCTGGCCGTGTATATCGACAAGTGCAGGAGCTGG
 AGAGCGAGAAATAGTCTGCTGCAATGTGCAAGTCAACGAGCGGGAGGAAGTGCAGGAGCCCCGGGAAGTGAAGCGCATCAAGGAGCTGTAT
 GAGACCGAGCTGGCCGATACCCGAGGAGCTGGACGACACTGCCCGGGAGAGGGCCCAAGCTGCAGCTGGAGCTCAATAAAATCTNC
 GTGGAGCACCCANGATCTTCAGGCCAGTTTNTTCAAGAAAGAACTCTGAATTGCAATCNGCCGAAGCTN

Q9925337.Seq

GNNNNNNNNNTTTTGAANCCCCCTTNTTTGATATCCCGTCTACTTGTCTCTTTTTCAGGATCCCATCGATTGGAATTCGTGACCC
 ACGGTCCGTGCCAGGCATAAATGCATACCCCATAACTAGTGGATAAATCATCTAGTGATATCAGTTATTGCCCAAAACATCAA
 TTCAGACAGGGCGTATGCTGTGGAATTCAGTGATCATCAAATCCAGTGTCTTAATGATGAGTCACTGCTGAACAAGAGAAAACAA
 CTGTCTCTGAAAAAACAATTGTGAAGGTGGCGATCATGTGATTTTACATTCACAAAGTACCCTTGGCTGGGATATTCATCAGGAAA
 AGCCCTTGCAATTTGTGTGGCTCATAGATGGGAACATGATAAAGACCCAGAAACGTTCTTTAAAGTATTGCTGAAACTTAAAGAAA
 AGGAGCTGACTTTTCACTATCAGTCCCTTGAGAAAACTTTACCGATGTACCAAGATATATTTTCTGAAGCCAGAATAACCTTGGGAT
 CGTCTGTCTTGCACTGGGGCTATTTAGCCAGCAAAAGATGACTATTGCAAGCTCTCTGCATGGCTGATGTTGTCGTTTCAACAGCTA
 AACATGAATTCCTTTGGCGTGGCAATGCTGGAAGCTGTGCACTGTGGCTGCTATCCCCCTGTGCCCCCAATCCTTGGTGTACCCCGAAA
 TTTTCCAGCAGTATATNTGTATTCTTCACTGAACAGCTTTTTCGAAAGCTTCGAGGATTTTGTGTTA

[illegible]

09925338. Seq

Q9925338..seq
GNNNNNNNNNTTGGAAANNCCCTTTTTTTGAAAAATCCCGTGCTACTTGTGTTCTTTTGTGCGAGATCCCATCGATTCGAATTCGTGCGAC
CCACGGTCGGCAGCATCTGCACCTTCTCCTCTTCTAGTTTAAATAATGCCGTGACTCACCGAGAAATGGTCAATTTTAGATTATAA
CAAAACCTCTGTGTCATGCGCAACCATAACCATTTGCAATCTGTATAAAACTAGGACTTGCACTTTCACCTTCTGATTACCTGAAGTCC
TTCAAGGACTTAGTTTAAACAACAGGATTAACTCTATCCACATGACAAAAGCTCGCCCCCAATAGCTATCTTATATCAAAATCGCTCCAA
TATTAAAATACACCACTTCTTCTCACTCTAGGTCTCCACATCAACACTTATCGCGGATGAGGGGACTCAATCAAACTCAACTACGAA
AAATCTTAGCTTTTTCATCTATTTGCCACCTTGGTTGAAATAATTTCTATTTCTCCATTTCTCACCCCAAGTTAATAATTTTAAACTTAA
CAATTTACTTAATTATGACCTCCACCATATTCCTTGTAATAAAAATCTATCTCATCCCAAAAATTTTCTTCTTAGCTACCTCGTGAT
CTAAAAACCCCATCCACTACGGCACTCTCACTTTTAACTCTTCTTTCTTTAGTGGCTTCCACCTCTTTCANGGTTTGTACCCAAAAT
GATTTATTATTCAAGAAATTGACAAGCCAAAACACAACACTATTTAGCCACAACACTAGCTNTGCAGCACN

[illegible]

09925339.Seq

Q9925339 . seq
GGCGCACGNCNNTAGTNGAANCCCTTTTATGTTGNTGCCCTTTTGCATGGNCCNCNGCAGGATCCCATCGATTCAATTCGTGCACCC
CACCGTCCGTAGTCTAGATNNNGACGGCCCTNCTTTTCTTTTGTAGATGCAAAAAGCATGCTCAAAATATTAGNACG
GATAICGGATCTTCATTTCTNCACTNANCCTGGTGGGTANGTNAAGGCNNTNGGNACNNANNGCTNTGNNGTTNGGNTTNNNTANA
GGNACATGATGGGTAATTGNGCNAACNGGNACTAGNNCTCCCTANNTCAAAATGGGGCNANNNTAAGAAATANANNACTTNNCNTAA
TNCTCAAACTGNTNGTATGTNATGGNTNACNGGNNATGGTANTCNATNTTANAANNTTCACACCANCTNATNNGNGGTGAAGG
GGNTTTNCACTATTTNGATACNNCAANNNNNNNAANGTATGGTTTNNNAAATTTNGANCATAACCCCTNNANTNATAAAANTNG
GTNAAACGGTTNTNTCTNCNATGATCNATNTNTCNANACCNNTTTATGGTTACCTTGNTCTNNANANANTCAANACNNAATNGG
GGNNNNGNACTNGANAAATCTNGANTNACGCAATTNTTAAANTNTATNANAAANGTTTNTNGNTNAAATANANNAAAAAATNNTT
TNANGANCNNNTNGCTNNGTGNNCNGANTNTTAAATTTGNNAAGNAGNGNNNTNACNTNATTTAAAGNCTNCGAAANGTCACNNG
AAANTNTTATNGCTNGANCNNANANNTGGTNNNTTTAAACCTCTTTGNNNGTATGANAAATAACNGGGGNNNNCCNACCG

Q9925340.Seq

3NNNNNNNNNTTTGGAANNCCCTTTNTTTTGATA TNCCGTCTACTTGTTCCTTTTGCAGGATCCCATCGAATTCGTCGACC
 CACGGTCCGGCGTTGCCCGAGACGTTCCGGTGTGCGTGACGTCAATCCACGGCTGTTATCAACTTGAACTAGCAGCTACCGTGT
 GCCATGGACTCAGCCAGTGATAATTGACAA TAGAGAGAAAAGGAAAGTGACCCGGGGGAGGCCAGAGACCCGTTAGGAGCAGA
 GGTTTAGAGCCACCAAGTATCTCTCCGAAAGACGCCGGCTCCCGCTCACAACCTCACACAACAGTCCCTCCCTCCCTCCCGGTT
 CGCCGGGATA TCCTTAGCCAAAGGCCGCTTGGGGAATGTGAATGATTTGTGTAATGTGAGAGAGATCTGAGGTAATTGCAAAAGGAACT
 TATCCCCAGACTCGCGGGGAAAAGGAACCGGTTGGGATCGGTGTGTAAGGCCTGTATTCGGCTCAGCATTCAGTCAACAGG
 GGAAAATACTCCACATCTCTAATCCCTCTAATCAGGAGCTGCAAGGGATATGTCTCAGCACCAACCACTCCTTCATCAGTGGATAA
 AGTAGACGGATTTTCTCNGAAGTCCGTAGAAAAGCCAGGCAGAGAGGTCAAAAGCTCTTCCAGTTCAGATCTTCAGGGCAAGCC
 AATAGAGCTAACACCTCTGCGCTGTAAAGACGTCCCAACCTTAAGCAAACCTGAGCTGTTNCTAA

Q9925352.Seq

AAATNCAAGTTCTTGTNCTTTTGCAGGATCCCATCGATTGGAATTCGTGACCCACGCGTCGGACTAGTCTTAGATCGCGAGCGG
 CCGCAAGGCCCTCTCGAGCCTCTANAACTATAGTAGTCGTATTACGTAGATCCAGACATGATAAGATACATTGATGAGTTTGGACAA
 ACCACAACCTAGAAATGCAGTGAAAAAATGCTTTATTTGTGAAATTTGTGATGCTATTGCTTTATTGTAAACCATTAAGCTGCAAT
 AAACAAGTTAACAAACAACAATTGCATTTCATTTATGTTTCAAGTTCANGGGGAGGTGTGGGAGGTTTTTTTAAATTCGCGCGCGCGCCG
 GCGGCCAATGCATTGGGCCCCGTACCCAGCTTTTGTTCCTTTAGTGAGGGTTAATTCGCGCGCTTGGCGTAATCATGGTGCCTAATGA
 TTTCCCTGTGAAATTGTTATCCGCTCACAATTCCACACAACATACGAGCCGGAGCATAAAGTGTAAAGCCTGGGGTGCCTAATGA
 GTGAGCTAACTCACATTAAATTGCGTTGCGTCACTGCCCGCTTCCAGNNNGAAACCTGTGTCGCCACTGCATTAAATGAATCGGCC
 AACGCGCGGGGAGAGCGGTTGCGTATTGGGCGCTCTTCCCTTCCINGCTNACTGACTCGCTGGCTCGGTCCCGTCGGCTGCGGCGGA
 ACCGGTATCAGCTCA

702243-24637650

Q9925353.Seq

TTGGAATCCANTTTNCTTTTGCAGGATCCCATCGATTTCGAATTTCGACCCACGCGTCCGCGCTCACGTGTGTGGGA
GAAGAGTTCTGTTCA GTTCCCTCGGCTGGAGCGTCA TTTTCTTACCGGTCA CCGCAGCAGCTTCCACCATGAAAAATCGAGGAGG
TGAAGAGCACCAAAAGACCCAGCGCATCGCTACCCACAGCCATGTGAAGGCCCTGGGCTGGATGAGAAATGGAATAGCCAAGCAGG
CGGCAGCTGGGCTCGTTGGCAGGAGAACGACGGGAGGCATGTGGTGTAAATTGTGGAGCTAATTAAAGCAAGAAAAATGGCTGGGA
GAGCAGTGTCTGGCAGGACCTCCTGGAACTGGCAAGACTGCCCTTGGCTTTAGCCATTGCTCAGGAACCTGGGCAACAAAGTTTCCTT
TTTGCCCATGGTTGGCAGTGAAGTCTATTCCACAGAGATCAAGAAAAACCGAGGTACTGTATGGAGAAATTTCCGGAGAGCCATCGGAC
TGCGGATAAGAGAGACTAAGGAGGTGTATGAAGGAGAGTGAAGAACCTTGCTTCTTGTGAGACAGAGAAATCCCAATGGGAGGATAT
GGCAAGACCATCAGTCA TGTATTATCGGACTGAAAACCTTGCAAAAGGAACCAACACAGCTTAAACTTGATCCTAGTATCTATGAAAA
GTCTACAGAAAGGAGAGAGTANAAGTTTGG

Q9925354.Seq

TTGAAANCCANTTCTTGTNCTTTTGCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGCATGGCACTGCTGAAGTCTCG
 GCTCCTTGTGGAGTGGCTCGTTGCCAGCCCTGCTTGGCTGTGGTACAGGGCAGAGCAAGCTCCTGGTGGTCTCATGTTGAGATGGG
 CCCACCTGATCCAAATTCTGGGTGTGACAGAGGCTTTTAAACGTGACACTAACCCCAAGAAGATGAACCTTGGTGTGGAGCTTATCG
 GGATGACAAATGGCAAAACCTTATGTCCTAAGCAGTGTGCGTAAAGCTCAGTTGGCATCCAAAAATCTGGATAAGGAATATCT
 GCCTATTGGAGGCTTGGCAGAGTTTCCCCGGGCATCCGCACAGTTGGCACTTGGTGAATAATTGTGAAGCTGTTAAGAAATGGACAGTT
 TATTACTGTACAGACCAATTCTGGAACAGGATCACTTCGGATTGGAGCCAACTTTTGGCAAGATTCTACAAGTACAGCCCGTGATG
 TTTACCTGCCAAAACCATCCTGGGGCAATCACACACCAATATTCGGGATGCTGGTGGAGGTGAAGGTTACCCGGTATTACGAT
 CCCCAGACTTGTGGGTTGATTTTGTGGGTGCACGTGGATGACCTCTTTAAAAATCCCAAAACAGAAGCATCATCTTGGTCCCATGCCT
 GNGCTCATAATCCTACAGNGTAGA

Table 4. E463T660

Q9925355.Seq

AAATCNAGNTCTTGTTCTTTTGCAGGATCCCATCGATTTCGAATTGTCGACCCACGCGTCCGCTGCGTCTTTTCCACTGGAACCCC
CAGGAGGAAGAGATGGTTGTAGCCCCCATGAAGAAAGCAGAAAAGCTGAGGAGGAGCTTCAATCCTTAGACTCTTTCCCTGGGGCCA
TATCCTTATGAGAGCATGCCCGATGGGTGTCACTCAGCAATCACATCGAGAAGGAGACCATGTTTCAGGCTGCAACCAACCTGTGGC
ACAAATATCTCTTTTCCCTGAGGTCTTCCCTTGGAAAGCCATGACCCACACTGCAGACCCGAGTCCAGCATAACTTCCCAGATATGAC
AGTGTGTGCCAAAGCTATAAGGAGGCGATGGCCAGGCTGCCCTCAGATGAAGCAGAAAGAGGGAAACAGAAATCCGATTTAGCAAAGATT
CCTGCCAAGATGTACCTGATGATGCCACCCCTACAGAGATCACCCAGCACAGCATGGACCTTTCCCTATGCTCTTGAGCAGTTGCTT
AAAACACACTACACAGGACAACCTTGACGTGCTTGCTGAGCTGAGTTCTCTTTTGTCTGCTTTGNACTTGGGAATGTGTATGAA
GCATTTGAGCAGTGGAAAGATTGCTCAACCTTCTGTGCCGCGCANAGACTTTTCCCTGCAGCACCCAGAACNTACATTNAAATT
ATATCTGTCTGTACCAACANG

TABLE 4-40

Q9925356.Seq

AAATCAANNCTTGTCTTTTGCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGAGCAGAGCAGCTACCTCGCTGCGA
TCTATTGAAAGTCATCCCTTGAGCCCAAGCTTTTGTTCCTATCTTATTACACTGGGTTTGTAGTGGGCAACGTTATTAGCCA
GTGGATGATAAATATACACAGCAGTAATAATGTACGGACTGTGATGTATGTGTAGAACGAGAGTGCAATGATGTGCTCGTTTC
CTGTGGAGACCGGTCCCTGTGCAGTTATAGGGCGGTGGGTCACTTCTCGATCACTGCTGTATTTTATTATAGAACCTNTTCAATGTT
TGGCTCTTTCCACAAAGGGGCTTTGCCGNTCCAAACAAAGCCGGTCCCTGTNTGTGCTGAGCGGCCCATAGCACGGGCTNTACCT
CGCTCAGGTGAAGGACAAGCGAGTGTCTGTGCAAGCACAAGTGTATGGGGCACCGCCACAAAATGCTTNTACAAAGTAAAGAGGCC
GGCAGANACTTCACTTATTTATGNGGTACTGATTGGAATCGGAGTTACAGGNGGACTTTTCTATGTTGGGTTTGAAGAACTTTT
TNTTNTTCAAGTCCAAAGTAAATATATGGAGAGGCTNTTGAAAAGTGCAAAATCTTNATCCAAANGTNTTGGTGCAATTTGGNGAGCC
CATCAAAGGNTNTGGAN

Q9925357.Seq

AAATNCAAGNTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGTGATATAAAAAAGCAGCTTTTCG
GGAGTAGTGTCTTTAAACTAGATTGTAGGCTTTCTAAGGAGCAGATGGAGCAATATACAAGCAGCAATGGCTCTCCAGAGCAAAAT
AGTGGTTCAGGCTGGACAGATCCAGCAGGTAACAAGGTCAAGGTGAGCGCTTATGGTGCAGGTCAAGTGGGGGCGAGCTAATCACCTCCAC
TGGACAGCCTATCATGGTACCAAGCTATGGGTGGCCCAAGGCCAGACTCTAATGCAGGTGCCCGGTATCTGGATCCCAGGACTGCAGCA
GATACAGCTGGTTCAACAGGTTCAGATTTCAGGAGGTTCAGGTGTACAGTTGCAAGCCCAAGGCAAGGCGGCAAGTGCACAA
TATTATCCAGCAACACAGACGGCTGTAACTGCAGGACAAAGCCAGAACCAACACAGATAGCTGTTTCAGGTCAGCAAGTGCACAA
GACAGCTGAAGGTTCAGACTATAGTTTACCAGCCTGTAAATGCAGATGGGACCATTTCTTCAGCAAGGAATGATCACCATACCTGCTGC
TAGCCTAGCTGGGGCTCANATTGTGCAGGCTGGAGCCAATACCACCCCCAATAGTGGCCCAAGGAACCTGTGACCGTACTNNTTCCTT
GTGACTGGCAACATGATGAAN

Q9925358.Seq

AAATCAAGTCTTGTCCTTTTTCAGGATCCCATCGATTTCGAATTCTGTCGACCCACGCGTCCGAAGATCAAGACCCATCTAGCATTG
 CCCAAGAAGTTTCTTAAATCTGCTTAATACAGCCCTTTTCAAAATGTGGTTCAATGAGTAGGGCTTGGCCCGGCGAGGCTCAGGGCT
 GCAGAGGCTTTGCTGCAAGGTTTATTCAACACTGGGTGTTGGTGGCCCTTGCAGCGGGGCTTCTGCAGTTTTCAGCCTGTTTGTGC
 CACAACTTTACAGAAATTGCAAGTCTATTGGCTTCTAAGTGGGACAGAAGCAGTGGCGCAGGCAAGTAATGGTGAATTGGTATCAA
 CTTTATTATTTTTGGGTCAAAACATACCTTATCTGTTTAAATACGGATATTTTTTTCTTTCTTCTAAATAGGCAAAAGTGTAAAA
 TTATAGTCCATTCTACTTCTCTGGATTACAAGCGCTCTGTATAAACAAACCCCTCTCTCCCATTCGAAGCCTTTGGTAGGCTTTTT
 GATTAGATCAGCTCATTTCTCCAGAAACCTCGCAGGAGACGGTTCTCTCAGTTCATACCTTTAGATACAGTGGGCTGTTAAAAATACTC
 TATTTAAATAAAGAATTCTAAAGGAATGCCATAAACGTTTAGCGGAGACAAATGATGCAAAATGGCTGCAACCTATCTTAACTCTTC
 ATATGTAAACTGNGNGG

Q9925359.Seq

TTGAAACCAAGTTCTTGNCCCTTTTTCAGGATCCCTCGATTTCGAATTCGTACACCCACGCGTCCGCATATGGTATCAGTCCTGTATAA
 CGTTCTAGCACCAATTTCTGCTGTTTATGCTCATCTGCTGTTTGTAGGATGCTCATTTGGCTATAGAACATCTGATTTTCCTCCTTT
 CCTTGCTAAGTGGTTACTTTGTGACCCCTAATATACTGGATAGCTAATTGAGCTCTTAATTTATCCCCCATAACGGATTCCCCGCT
 CACTCACAAAAAATGTTTATAAAGTCAAAACCTAACCTGCCTATCTTATCCATATGTTCAATTCCTCCGTAGTCCAAAGTATTGCCA
 GTTTATGAGATTCCCAGCTTGCCTTTTCAGTTATATACCATTCAAAATGAGACTATTGTGGCATCTTGCCATCAACGGTCTGCACAGTA
 TTATGAAAAAATATGCATATGTCTGACCCGAGTTGACAAATCATTTTGTAAATGGACAAATATTAAACCAATATTTTGTGTGTCAGTT
 GTTTACTAGAAATACCTTTTAAATTTGTTCTTGAAAAAATAATGTGTGCAAGAAANNNNNNNNNNNNNNNNNNNNNNNNNNNNN
 AGGGCGCGCGCAAGGCCTCTCGAGCCNTTAAAACTATAGTGAGGCGTATTACCGTAGATCCNGACATGATAAGATCATTTGATGAGTT
 TGGACAAACCAACTAGAA

4460460

Q9925360.Seq

AAATCAAGNTACTTGTNCTTTTTCAGGATCCCTCGATTTCGAATTCGTTCGACCCACGCGTCCGGAAGAACGAGCGCAGAGACCAAGA
CTTCAACTTAAACCCAGGACAGTTGCTACACCTCTCAATCAAGTAGCCAATCCAAACTCTGCAATCTTTGGTGGAGCCCAAGCCTAGA
GAGGGAAGTGAGAAACACAGAGAAGGAATGAGCCAATAAACGGGAGGACAGAGGGAAGAAATAAGCTAGTCCAAACTAGTCACCTCTGG
ATTACCATCCTTGCAATTGCCATTCTTGCCCTCCTGACATTAACTCCTCTATCCTTCCCTATTCAAAAACCTGAAAAACAATGAGCTTGTAA
ATGCAATGTCAGCTGTTAACAAAGTGTTTTTTTTTTTTAGTAAGTTCTCTGCTTTTCTGTAACTAGTACCCTGCATTGTGCTGTTTCCA
ATACCTTTTGCAATTGAAAGGATGTTTTCCCTGCTGGGAAAGCTTCTCTCAACAAAATGAAAATTCATTTTGTATTTAGGAGCTGAAT
AGCTAAATTAGTGAAGAAAAATTATGTCCCCACACACCCCTTTTCTTTTATAAAAATTGAGCAGAGCCGATGTTAGCATTAAAGTTAA
CCCTTTTGTGCTTATGAAGTTCCTTAATTATGCTTTTCAGTTCTATTCTGCACTTTTGGTCTATGTTGCCAAGACTCTGTAAGAANGN
AAATGTGACACCGTGTCATG

Q9925361. Seq

TGAACCCANNCTTGTGTCAGGATCCATCGATTTCGAATTCGTGACCCACGCGTCCGATCTGTTAGGAACCTGACCTGGTC
 TACTCAGATCAATAGCATCAGAGGAGGACAGAGTCAACGAGATCCCTGCTGGAAACCTAGCAGCCCGGTTCCCCCTTCCTCGGT
 TACTTGATGTGTAGGAGAGGGGAAACAAAGTCAGGTCAATAAAGGGGATTCCTGTGCTCCGGCTGCAACCAATGCTTCCACACA
 TCTGGGCTACCAAGTACATCAGACCTCTGTACCCCTCGACAGACAGAGCGTGGGGTAAACAGGAGCGGAACTGAGCTGTCTCCGGC
 AGGACTCTTTCTAATGTACTTTCTCCGTGTATGGAGCACCCCTACGCTGACGCCCGCAGCAACAGCCTATGGAGCCTTCCTGCC
 CTACAGCGCGGAGCTGCCCATCTTCCCCAGCTGGTTACAGTATGACATGAAGACAGTCTCTGGGTCCAGCATGCCGCTTCTC
 CCACCTCACCCAGCCTTTTATCCCTACGGACAATACCAATTTGGAGATCCGTCAAGGCCCAAAATGCTACCAGAGAGACACAAG
 CACCTTAAGGCCCTGCTCAATGAGCACAGAAAGAACCCCTATCCGACCAAGGGGAAAAATCATGCTTGCTATCATACTAAAAATGA
 CCCTCACGCANGTGTCCACN

Q9925362.Seq

AATNCAAGTTACTTGTCTTTTTCAGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGAGATCTGAGCGGCTCTATAGCG
 CCCCCGATGTCAGTTAAATCTTGGGGTGACTTCACCAAGGAATCGACAGCGACCACTTCTGCGGAGAGAGGCTACGGGTGG
 CTCCTGGAGGTTGAAGAGAACGACCCCGAGGACAAACAAGCCCCCTATTGGAGGAACGTGGACATCGACCTTAAAGACATTTACTATAAA
 ATCCGCTGCGTCTGATGCCCATGCGTCCCTCGGTTCAACAGACAGGTGGTACGAGACAACCCCTGATTTCTGGGACCCCTAGCG
 GTCGTTCTCTTCTCTCCATGATTTCTGTACGGGAGTTCAGAGTGGTGTCTCGGATCATCACTATTTGGATTTTCGGATCACTC
 ACCATTTTCCCTGCTGGCGAGGTGTTGTCTGGAGAGGTCTCGTATGGGAGGTGCTGGGAGTTATAGGCTACTCCCTGTACCTTTG
 ATTGTCGTTGCGCCTGCACGTGCTGCTTCGCCCCCTTTGAAATTTGTCTCCACTGTAATTAAAGCTCTTCGGAGTGTCTGCGGTGG
 TATAGCGCGCTTCTTTATTGTTGGGGAGGAGTTTAAGAGCAAGAAAGCCCGCTGCTGATTACCCCATCTTNCCTGNTGGACATCTA
 CTTCCCTGNCCTCTACACCGG

43404601660

Q9925364.Seq

AAATNCAANTTACTTGTTNCTTTTTCAGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGGGCGACATAAGGCGCAGTTTCC
CTGTTCTGCCGCTGCCGGGTGTAGCCAGTGCCGTTCTCCGCCATGGATGAGCAATCTCCAGACATTTCCAGACATTTCCAGTCACTCGGGGAC
GAGAGGGAGCCGGCTCAGCCGGGAGAGGAAGCCTTGGGATGATTTGATGACGTGTGACCTGACCCGGGGAGCGGGACAA
TTCTCTCAGCCGTTCTCTGGATCCACCCGGCCCGGACATTTGAGAGGAGGAGGATGAGGAAGAGGAGGGCGCTTGGAAG
GACAGTCTGGAGCCTTCGCCCGTAGAGGAAGAGCCCGGAGCATCGACAGCATCAGCCCCGTGTCTCCCCCACTCCCCCGCCGTGCC
AGGCCCCCATGGAGGAGCCCGAGAGGCCGCCAGCCCGTGTACTGCCCCCTCCGGATCTGTGGATGAGAACCTTTCCCTCTTCT
GCTGCATCTGCCACCTGATGCACGCCCTCTGCAGACAAAATAATGGAGCCTTATAGCACTGTATCTACTGGCCAAGANGAATTTTGC
ATCTTGCTGCTTCAGTCTACTGATTCCCTCTCTTTTGCCCTTCTGTCCACTGATTCTTTCTAAAGCATGCAGAAACTGTC
GCTTTTNCCTACTGGCTTAACAGCC

Q9925365.Seq

AAATCAAGCTCTTTGTTCTTTTGCAGATCCCATCGATTTCGAATTTCGTCCGACCCACGCGTCCGGACTGGCCCTCTACCTGAAAAAGAT
AGCCAAATGGTGGCCTGGAGAAGCTTAATAACTTGGATGAACATGATCACCCAGAGTCCCCCTCTATCTTCAACGGAGCCTGTGTCCGA
IACAGTCAACCCCAACTGGGAAGCACAAAAGGACAGCTCAGAAAATACCCAGCAACTGSCCTTCAATCCCCCGCAGAGCCCGTCCT
TGACCTGAACATGTCACTGGCAGTAGCCAAAGAGCGAGCCACCAAGAAACGGTCAAGAGAGGACCATCTATGGACTGGAGTAA
AAGGAGAGAAAGTGTTCAGCAGTCTGTGAGACCAAGAAATCCAAGAGAGCTGTGCAATGCCCTTAAACCATTTCTGGCTTCTCCAGCA
GCCTCTTCCGTGTCGGCATTCCTTTCCTGCGGACGACAGAGCACTTCCATTCTACAAAGGGTGTTCCTGTCGATTCAGCTG
GATTGTAAATAACCTATTCTGGCTCAAAATCCGTCCCTGTGTCAGCCCCCATTAATGTGACATTGTACTGATCAA
AATAATGCTGGACTGTACGACGCTTGCAACAAGTGTGTATGGTCAATGCTGCAAACTTTGCTTTAGTCGCGTTGGCAGTGGCAGTGG
GCTTGTGGTCTAGCTGCCCTG

TTT44 2463T660

Q9925366.Seq

AAATCCNAGNTACTTGTTCTTTTTCAGGATCCCATCGATTTCGAATTCGTCCGACCCACGCGTCCGCTCGGTTCTACAGCAATAAAGA
AGGGTTTGAGCCTGAGCAAAAGGAGATGCTGCGGAGGAGACGGATAGCGGGTGGGGCCGAGGATTGTTCTGATGTTGTAATATGCC
TATAGAACCTTGCAATGTTTAAACGTCACGTGAGAGAGAGTATACTGTGTGGGATCTGTTATCTAGAAACCTGTTTCTGGAAA
GCTCTGAATTTAAGGAAGACCCTCTCGTAGAGTCTGTTTTTAAGCAAACTACTTTTTTTTAAAAAAAGTTTTTTTCCCTGTGGTAATAAA
ACAGTATCTTGTAATTGATGGTAAAGCTGCAATGAACCCCAACATCCTAAATTGGGTTTATTTACAGGGCTATGGTCATGGAAAAAT
CGTTTTATTTTTTTTGCAATCAGTTAATAGTGTCTGCTCTGCAGACTTCTGCAGTGAATCCAAATTTCAAAAGAAAAGAGCAACA
GTATTTTTTATATTTAAATTTGAAATCTGACATGGGGCTAGACATTTGTCAGTTTCCAGCTGCCCCCAGTCATGTGACTTGTGCTCT
GATAAACTTCAGTCGTTCTTTTACTGCTGTGCTGCAGATTGGAGTGATATCGCCCTTCCCTTTTCCCCCAGCAGCCTGGCAGAGAAC
GGTGGGAANGTGGCC

Q9925367.Seq

ITGAAACCANTCTACTTGTCTTTTGCAGGATCCCTCGATTTCGAATTCGACCCACGCGTCCGGTGGAAACATGACCTGAAAAAGT
 CTAATGGAGACCATGAAGCAGCCCTTTCTCCAGGTGAGGTGAAGACACTCATGATTCAACTTTTAAGGGTGTTCGGCATCTACAT
 GATAATTGGATTCTTCATCGAGACCTTAAGACCTCTAATTTGCTGCTCAGCCATGCTGGTATCTTAAAGTTGGAGATTTTGGTTTG
 GCACCGAGTATGGATCACCCTGAAGCCCTTACACACCTATTGTAGTTACCCCTTTGGTATCGAGCCCTGAGCTGTACTGGTGCA
 AAGGAATACCTACAGCCATTGATATGTGCTGTAGTTGTATAATTGGAGAACTACTGACCCAGAAACCCCTCTTTCTGGAAAG
 TCTGAGATTGATCAGATTAAATAAATAATTAAAGGATCTAGGTACACCGAGTGAAGAAGATCTGGCCCTGGGTACAATGAACCTCCCTGCC
 ATTAAAGAAAATGACCTTCACTGATTATCCGTATAACAATCTTCGTAAGAGATTGGTGCTCTGCTTTCAGACCAAGGATTTGAACCTC
 ATGAACAAGTTTCTCACATATTGTCCAGCAAGAGAAATCAGTGCAGAGGATGGCTTAAAGCATGAATATTTCGTGAACCCCACTT
 NCAATTGAGCCAGCCATGT

Q9925368.Seq

AAATCAAGNTNCTTGTCTTTTTCAGGATCCCTCGATTTCGAATTCGTTCGACCCACGCGTCCGCAACAAACTGGGGGATCTTCAGCC
 TTGCTGTCACTAAATACAACAACATTAATGCGGACACACAGATGGTTGAAGTGTCTGTCTACAGAGAGGCCATAGACAACATTAT
 CCAGTTACCAAAGCAAGTTTGCTCTACGTTGTTACGGATCAAAATCCCTTTTATGTGAACATTTCTCAAAAAAATGACCGCAATGCC
 ICAGACAGGATGTTTATTAAGATTTCGCCAATTAAATTTTGACATCAGAAATCCATGATCCAAGCCACTATCTCAATAATTCTGTGGTA
 TCATTTGCCCTGGAATTTTGGTGATGGGAGCGGTTCCCTTTGTGTCAAACAATCCCTGCTTCTACTCACACTTTCACACTGCTTGGAAC
 TTCAGCCTCAATCTGAATAATCAAAGCGGCAATTCCCAGCCCTGTAATCCACTGACTACTACACAGTTACTACTACACCCAGTTATT
 CCCACAACTGCGCAACCTATGCCGACGACTACAGTTTCTCCACAGCTCAGAACACCACTGGAAATTCCTGATGAGCCAGCCTTG
 GTTACCACAGAGCCTGTNNCCCTTCAGAGATCACCACTACTGNAAGGGCCCAACCACTGCANGGCCACCACTGCAAGAGC
 ACACAAAGCTGCAGG

Q9925369.Seq
 AAATACAAAGCTCTTGTTCTTTTGCAGGATCCCTCGATTTCGAATTCGACCCACCGCTCCGGACTAGTTCTAGATCGCGAGCGGC
 CGCCCTTTTTTTTTTTTTTTTTTTTTTTTTTAAAGCGTTACTGATCAAAATAGATNTTTTATTATAAAGGTACA
 ATCACAGGAAGTCCATTACAGTCGCCAGCACCTNACTNTGGCCCCCGGGGGAAGGGCGGTAAATAGTGGATAAAAGAACCCGTATATA
 TTGAGCANAGCCATTGGTTTAGTCAGTGCTACTCAGTCCCATGANAGAGGAAAGGTTAAATAGTGGATAAAAGAACCCGTATATA
 CAATTACATAGATATATTCTTTTAAATTAATTAATATGAAATTCAATTAAATAAAACAAACCAAGCAATGAAACAAAGAG
 GTGCCCCCAAAATGAAACAAATGTGGCAATGATGGANATTGTTGTGATATGAAGGTGTAGGGGGATCCAGGCAATGTCAAGTTGGG
 CGAGGGACCAACCCACGGTTACAACACAAAGGCACCGCTGCAACACCCCACTACTGGCCACAANAAGACTGNTCATTTGGACAGAGTT
 AAAGGTAAGTATGAAGTACAGGCTGGTGGATAACCTGCAATTTGGCTTCATTATTGNGGGCTTGAATGAAACCCCTTTCCCTTTG
 GTTTCGGCCAAACATGATGG

702240" 24607660

Q9925370.Seq

AAATNCAAGCTCTTGTTCTTTTGCAGGATCCCTCGATTTCGAATTTCGTGACCCACGCGTCCGCAAAAGATCTGTGTGAGCGTGT
GATTATAGAAACATGCCCCGGGCCCCACGGCGAGACCGAGATGGATACGGCTATGGAAGTCGCAGTGGATACAGAAACCAGAGAACTGG
CAGGACAAGTATGGTCCCCCGTCCGACACAGAAATTTAGACTTGTCTGGAAACCTCTCCAGTCGATGCAGCTGGCAAGATCTCAA
GGAATTTATGAGGCAGGCGGCGAGGTGACATACGCTGATGCCCATAGGAGCGTGCCATGAGGGGTTATAGAGTTCAGGTCTTA
CTCTGATATGAAGAGAGCTGTGGAGAAAGTTGGATGGCACAGAGATAAATGGACGCAAGATCCGGCTAGTGAAGGAAAGACTCGTCA
CAGGAGGCCCTTATTCTGTAGCCACTCCAGATCACGATCTCGTAGCAGGCCGAAGATCGCGCAGCAGGATAGGCATCCTAGCCACAG
CAGGTCAGGAGTCAATCTCGTTCACTGCCAAGAAAGCCGGTCTCGTTCCCTTGCAAAGAGCACCATTCAGTCACTGGAAAGA
CCAGTCCCGGTCTAGATCAAGATCCAGAAGTAAAGAAAGGTCAAGCCAAAGTCTTTTGCAATTGGGTCACAATCACCCTAGCATA
TTCCCGANGAAAAACAAGN

Q9925371.Seq

ANATNCAAGCTACTTGTCTTTTGCAGGATCCCATCGATTTCGAATTCTCGACCCACGCGTCCGCGCGGGCCGGTGTGGGCTCT
 CGCGAGATTAAAGCGCTGTGAGTGAGCCTGGCCTGTGCTCCACTCTGTTCCTCCCGCTCCGCTCCCGGTGCAGTTCCCGCGGAG
 CGAGCGGGATCCAGCGGGCATGGCTTCCGCACCTGGAGCAGTTCTGTGAACAGCGTGAGACAGCTGTCTTCCCAAGGGCAAAATGACAC
 AGCTATGTGAACATAACAAGAGTGGGAGCTACTAGCAAAGAACCTCTCTCATCTGGACACTGTTCTGGGGCGCTGGATGTTT
 AGGAGCATTTCTCGGGTCTTAGCTGTTTTTGTGGAAGTTTCCATGCCAGTATTTCCGATTTTGAGACTTTAATTTCTCAAG
 TTCAACTCTTTATCAGCACTTGCAACGGAGAGCACATTAGATACGGACAGATACTTTTGCTGGTCTCTGCCATCAGTTAAACAAATG
 CACTTGTGGAAGGAAGCAGCCCTTGCCTGGAACTGTGTGTTATCAGACAAGCCATAGACAAGATGCAAAATGCAAAACCCAGCTGA
 CCTCAATCCACGCAGATCTGTGCCAGCTCTGTCTATTANCAAGATGTTTCAAAGCCCCCGTCTGGCGGTACCTAGATGTAGATATGAAT
 GGATATTTGCAAAAAAGAATGG

Q9925372.Seq

ITGANATCCANNNTACTTGTCTTTTTCAGGATCCCATCGATTGGAATTCGTGACCCACGGTCCGCCCTCCCCGGGTTCTGGTGC
 GCATGCGCCTTGATGCCCTACGGAGGGGAGGCTGACATACACTGTCTGGGATCCGTAGCTGGAAGAAGGAGCAGCCAGGGAAC
 TGTACATCGAGCCGGGTAAACCCGGCGGATCAGGGGTTGGTTTGAGAAAAATTACATCAAAAGGCGTTGGGCTTGTAGCCGCTTCGCT
 CTCCCGCTGGCACCATGGTCAATGGTATATTTTCTGGAGAACTTTGGGGGAGAGAACACAGCGGCTTTGATGTACTCTATCATAATA
 TGAACATGGGAGATATCCACAAAAGAATTGTCTGAATTCATAAGGGAAGGTCAACAATAGAGAGGTGTATTCCCGATCAATGA
 CCAAACTTGCCAAAGTCTCGAGCAATTATACACAGCTCGGACATTTGGGCTGGTCTGGGATGTTTCAAAACGTCAACAGAAAAAT
 TGGCTGGGTGTACCTTGAACTTGTAAAAAACATAAGATCTCATTAAGAAGTTCAGAAATATGGGGAAGAGACCTTAAAGCTCA
 TAAAAAGACAAAAGAGGAAGTATCTGGAACCTTAGAGCCGTGCAAAACATTTCAGAGTACCACGAACTAGTCCCCCTCCGTCAGCC
 TCCTTGACTCGTGTGAAAG

Q9925373.Seq

ATATNCAAGNTNCTTGTCTTTTTCAGGATCCCAATCGAATTCGAATTCGTCGACCCACGCGTCCGCAATGAACGATCGCTGAAAAAC
 CGAAAAGGATCAGAGGGCACTGAACGGTTGGAAGGTGGTGTCCCCCGGTCAATGGGTAGAGATCCATGTGGATTTCGGTCTCCCT
 GTTCCACCTATTGAATTTGGAGTAAGCCCCAAAAGACGCAGACTACAGCCTTCTTCTGGTACCGTGACCATAACAAGCAGCCAAATAAC
 GTTACAAAAGTTGCAGGATGCTTTAGCCAGTAAGGCAGGGCTAACACAGTCCATACCTATCCTAAGGAGAGACCAACCATGCAGCAG
 GGATGGGCCCTAAATCCTATGTCTTACCCCACTGCAGATCTCACCTTAAGATGGAGTCTGCCCCGTAAAGCCTGGGAAAACTCTCCC
 AGTTTGGCCAGAGCAGAAATTCACAGAGGCCCTGGCTCAGGAATTCAGCCACCGTCTAGCATGGGAGCCTCACCGGGGTCAACTACA
 GCTCATTTGGAGGCGTGTCAATGCCCTCCCATGCCCGTTGCTTCAAGTTGCCCATCTGCTCCATGCCAGGAAACCATCCACCCCT
 GTACCTTGATGGACATGTCCTTGTCTAACCCAGCCTCGTCTGTGTGCAACAGACATACCTCAACAGCAAGGTATCAGCAGGCTGCAGCC
 CGCCACAGATTCCCA

Q9925374 . Seq

TTGAAACCANNTCTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGCACTCACTTTACTGGATTATC
 TTTTCCATCGAGAAATCCAGGCTGTCTCCAACTTGTGAGGCCAGGGGAAACATGGCAAAAAGCAAAGCACTGGACCCCATTAATGATCTACG
 GAATAAGATGTCATCTTTTCAATAAGTTTAGAATTACAGAAATCTGACTGGTATAGAAATCAAGCAAAGCATTGATTCAAAAATGTCGGA
 CTGCCCTGGCGTAGAAAGCAGAGAGGTCAAAGTCTTACGGTGAAAAGCTTTTCAGGAAGAACACCTCTTCTCATCATATATACCAACA
 CAGAAGGTGTACAGAACACCGGTGTCCTCATCCAGTGACTTGCAAGCAAACATCACTCAGGCTCTGCACTATGCACTAGCCCAATGCTC
 AGCAGGTTTCAGATCCACCAGATTGGAGAGGATGGACAAAGTCCAAGTGGGGCATCTCCACATTGCTCAGGTGCCACAAGGAGAGCAAG
 TGCAGATCACACAGGACAGCGAGGGTAATCTGCAGATTTCATCAGGTCCACGTTGGTCAGGATGGACAGGTGCTTCAGGGAGCCCCAAC
 TGATAGCGGTAGCCTCTGCTGATCCAACTACTGGTGTGGTCCGATGGGTCAACCTTCAAGCCCAATGATATTCAGTCCAGTATGTTTC
 AGCTTGCCCCCANTTGCAGAA

44607560

Q9925375.Seq

AAATCAAGNTNCTTGTCTTTTGCAGATCCCTCGATTTCGAATTCGACCCCGGTCCGGAAGCCATCATCAGAGCCCTTCCC
ICAGCTGCACGGCTAAAGTCAGAAGGCAACAGCTGTTTAAAGAACGGGCAAGTTTGTCTGAGGTGCACTCAAGTATTCAAGCCATT
GAAATGTTAAGAACACACGATCAGAGAAATGCCGAGGAATGCGGCAATCTGCATTCTAACAGAGCCGCTTGCCACTTGAAGGATGGC
AATAGCAGGAGTGTATTGAAGATTGCAACAGGGCAATGAGCTGCAGCCATTCTCAGTGAAGCCACTTTACGCCGGCGGATGGCC
AACGAGTCCCTGGAGAGATACAGGCCAGCGTATGTGGATTATAAACTGCCCTTGCAATTGACAGTTCCATCCAGGCGGCACATGAT
AGCATCAACAGGATTACAAAAACGTTAATAGACCAAGATGGGCCAGCTGGAGAGAGAACTGCCCCCGATTCCTACTGTACCATACA
TCTGTTCACTTACAACACATGGAGGAGGGACCTGCTTACAGTAGCAGCCAGAACCCCGTGAACATGGTACATATACA
CAGCGATCAGTGGATATGTACAGTGGTGCAGGCTAATGGTTAAATGCTGTAAACAAGTATCTCATTAGATTTATGATGTACTTINCA
AAGAAACTACTTGAGAN

Q9925376.Seq
 AAATCNAGCTCTTGTCTTTTTCAGGATCCCTCGAATTCGTGACCCACGCGTCCGTAAACAAGTGGTTTACAGACACTTCC
 ATTATTCTCTTCTCAATAAAAAAGATCTGTTTGAGGAGAAAAATCAAGAGAGTCTTTTAAACAATTGTTACCCAGAAATATCCAGGT
 ICAAACACCTATGAAGAGCGGCTGCATATATTTCAGTGTCAAGTTTGAAGATCTCAATAAAGAAAGGATACAAAAAGAAATATACACA
 CATTTCACGTGTGTACGGATACCAAGATGTGCAGTTTGTGTTTCGACCGAGTGATGTCAATATAAAAAATAATCTCAAGGAC
 TGTGGCCCTTTTCTAATACATCATATATATTGATTGCATTGACTTCAACCTGTACACCTTGATGGCTTTTGGCGTGACTTAAGA
 TTCTTGATGAACAGCGGACCAAGTACTGTACTTGGCCAGTTTATTAGCTTTATTATGTTTCATGCTTGTAAATTTTAAACTAACT
 GCTTCTAGGCCACAAAAAATAAATCAAGAGGATTTTAAATTGATGTATCTGNAATTGTAGGAATGTTAATTGTGACAGCATTTGAA
 CAGAAATATTTTAAATAGTATGAGTTGTCAAAAGGATCATCTTGTCTTCTAATAATGCTGTNGGTTTAAATTTCTTGGCCTGGTTCAAGTT
 ANTTTAAAGGAAACAATG

742240 2463660

Q9925377.Seq

AAATCCAAGCTACTTGTCTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGGTGTGTGTGTAGATATTTTG
GTGGTGTTAGTAAGCACTATGTCGCGTTACGGGCGATACGCCGCGAGGCTAAAGTGTA GTTGGTAATCTCGGCACTGGTGCTGGA
AAGGGGAGCTGGAAACGAGCCTTCAGTTATTATGGACCTCTGAGGACCGTTTGGATTGCAAGGAACCCCTCTGGATTGCTTGTGTC
GAGTTTGAAGATACAAGAGATGCTGAAGATGCTGTCGTGGCTTAGATGGAAAGGTTATTTGTGGATCCAGAGTTAGAGTGGAACCTT
TCAACTGGCATGCCACGGCGATCTCGTTACGATAGACCTCCAGCACGACGTCCTTTGATCCCAAGTGATCGTTGCTATGAGTGTGGT
GAGAAGGACACTATGCCCTACGATTGTCAAAGATATAGCAGACGCAAGAGCAGGTATTTCACTATTTCTGGGATAGATCTGACTT
CCCTTTTACCTTCAAGGCTGAATTTAGGATCTTTATTAAAGCAGCAGTCCTTAGTGTAGATCTCATTAAAGATTTTACTAATGAAAT
TCTGAAGACTGGAAACCTCCCTGACTTAAGCATAAAATACATTTCAATGCAATGTGGTTTTCATGGAGGTATCANGATTATGTGAACT
TTTTTTTATTTTAT

Q9925378.Seq

AAATCAAGCTCTTGTCTTTTGCAGGATCCCTCGATTTCGAATTCGTCCGACCCACGCGTCCGCTTGAAAGGAAGAGAGGTCACTGC
 ICAGGGATCGCAGTCAATGTCGGACCACTGGCGCACTATCAGCGAGGAACACAGGCCCTCATGCAACCCTCTCGCTGGTCAAGGAAGG
 AAGCGATGCTCAGACGGAAAACTGAGACGTACAGATGATACAGATTCCACAGTTTGTGATACCTAAGCCTTCCGAAGAACCTCAAGCG
 AGGCTGACAGCTTTACAACCCCTGAAAGTCAATAAGCCAGTGGCAAGATGCAAAAGACTGGGCGAGTGCAGTGGGAAGAGATGAGCAG
 CTGAGGGAAGTTGACCAAGACATAGCTCGATA CAGGAGGAACTTCTGATTAAATGAATTTGGCAGAAGAGAAAGGAGATCATCG
 TCTGGAAGTTCTGATTCAAAGGATTCATCTACATGGAGAGATGGAAACTGACCCAGCTGTAATTACAAGAGACAGAAAGCAGATT
 AACTATGGAAAAAATACGATTGCATATGATCGATACATTAAAGGCAGTGCCCAAGACATCTTCGAGAGCCTAATGTTTCATCCTAGAACT
 CCCAATAAGTTCAAAAAAATCAGCCCGCAGATCTTTGGGACCAGCAAAATCANGCTGTGGGAATTGCTTACATCAGTGGGACCCCTNCTG
 CAGCGGAAGGCAGTGACN

Q9925379.Seq

TTTGANATCCANTNTACTTGTTCCTTTTGCAGGATCCCATCGATTCTGAATTCGACCCACGCGTCCGGGAAGAGAGGATTGGA
GCAGGAAGGAAAGTGATAGAGCCTCACAGACATGAAGGAATCTTCACTGCGGAGGGAAGGACGCTCTGGTGACCAAAAC
CTTGTTCCTGGGAGTCTGTGTATGGGAGAGAAAGGATCTCAGTGGAGGACGGGGAAGTGAAGACGGAATACAGAGCCTGGAAATCCT
TTCAGGTCCAAGATTGCGGCGGCCATTCTGGGAGGAGTCGATCAGATTCAATTAAAGCCGGAGTTAAAGTTCTGTATCTGGGGCG
GCGTCAGGAACCAACCGTCTCTACGTCTCTGATGTCGTGGACCTGAGGGCTGGTACGCCGTCGAGTTCTCCACAGATCCGGC
CGCGATCTCAATAACGTGGCGAAGAAACGGACGAATATCATTCGGTGAATTGAAGACGCCCGCACCCCAAGTACCGCATGTTA
GTGGGAATGGTGGACGTGGTCTTTGCAGACGTTGGTCAACCTGATCAGACCAGGATCGTCGCCCTCAACGCCCATAACTTNCATAA
GAACGGAGGCCACTTTGTCTATATCCATCAAGGCAACTGCATTGACTCCACNGCAGCCCCCAGAGGCAGTTTGTGTCGGGAAGTGA
AGAAAGATGCACAAGAGACATTAA

Q9925380.Seq

TTTGAAACCATTTGTTGCCCTTTTGGGATCCCTCGATTTCGAATTCGACCCACGCGTCCGCTATGTCACTGTATGTCAATGTAAT
 GTAATGTGCGTGGGCACTTCCCGAAGATGGCACACACCGGTTTGTCTGCAGAGGCTGAAC TGCCAGGAGTATAAGAACTGGATGAA
 AGCAGGACAGTGTGTTGCTGCTCAAAAAATCCCTGCAAGAGTTTGTCCGCTTCGGAGATGCCGTGTCTTCCACAAACAGCTCAGCAG
 CAGGATCCCTCCTTAAAGCGAAATGTCAGTGCAAGCCAAAGATGCAGTTTAAATCCCAGGTGTCCAGTTTCCGTGGAATGGAA
 AAATCATATTTCTGGATCATCACTAACAGAAATGGAGACGTACACTGGGGCAACTGTGATCCATCGATGTGGTCTGGACATTACTG
 GGAAGTGGCAAAGGCATATATGCCACGTGGATGCACAGCAAGAAAGAACACAGGCATGTGATGCATCAGCTCTTCTTAAACCTGTT
 AACTACATGTGATCGCTTTAAAGGCCCTGACTTGTCTAAAGTTAGAGAGGTGCTGTCAAACTGGGCTATTCTAGAACAGAGCAT
 GGATACATATGATGGGTACTTTTAGAATGTGATGCAGCAGTCTCGCTTTCCCAATTTGGGACCTAAAAATGTTGTGATAGATGAGATG
 CTTGCAAGAACTTT

Table 40: E460T660

Q9925381.Seq

TTTTGNATATCNTNCTACTTGTTCCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGAAACAACCTTGGGATGAC
TGGAAACCTGAAATAAGGGCAGATCTTGTTCATGAATGCCCTGTGTGTTCCAGATGGAAACATATGAAGTTTGCTCTAGAACAACCTGGA
CAGGCTTCTGCTGAAAGCAGTAGTGTGGAACTTAAATGTGTTATGGAAGATGTGTGGTATTGATGTGCACATGGACCCC
AACATTGGGAAAAGGCTTAATGCCCTTGGCAATACACTGACAACTATGACGGCGGAAGAGATATAGATGACATTGCAGACCTTAAT
TCTGTAAACATGGCAGATCTGTCTGATGAAGATGAAGTTGACAGCATGTCTCCAACTGTCCATGCTGAAACCATTTGACTATAGAAGA
CCCGGCCAGCTTGGAAAGCCAAAGCGTGGACCTAAGAGGAAGGAAATTTGTGAAGAGGCTGGTTGATATACGGGAGCTCAATGAACAA
GCTAAAGTGATTGATGATCTCAAGAAAATTGGAGCTAGTGAAGGAACCATTAATCAGGAAATTCAACGATACCAACATTTGGAATCT
GTAGCGGTCAATGATATTTCGGAGAGATGTCCGTAAAGAGCTGCCGAGGTCTAGCATGAGAGCAGCATCTTTGAAAGATAAATGGGGC
CTTGGATACAAACCTAG

Q9925382.Seq

ANCCCN¹TTTGTATATCCAANCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTCGACCCACGCGTCCGCTTCTCCGATC
 CAT²TGTAGACTGTGGCTTTGAACATCCCTCTGAAGTCCAACACGAGTGTATTCTCTCAGGCCATCCTCGGTATGGACATTCTTTGCCA
 GGCTAAATCTGGTATGGGAAAGACTGCTGTGTTTGTCTTGGCACCCCTGCAGCAGATTGAAGCAGTGGAGGGCAGGTGTCTGTCTCCT
 AGTTATGTGCCACACTCGTGAGCTGGCCTTCCAGATCAGTAAGGAATA³CGAGAGATTCTCCAATAATATGCCAACTGTCAAAGTGGC
 AGTCTTCTTTGGTGGGCTCTCTATCAAGAAAGACGAAGACACCATACGCAAGAGCTGTCCCATATCGTTGTGGAAACGCCAGGTCTG
 TATCTTGGCACTGGTCCGAAGCAAGATCCTGAATTTGAAGAAATGTGAACACACTTTGTGTGGATGAATGTGACAAAGATGCTGGAGCA
 GCTGGATATGAGAAAGAGATGTACAGGAGATTTTCCGTCTGACACCCCATGAGAAACAGTGCATGATGTTTCAGCGCCCCCTGAGTAA
 AGAGATCCCGTCCCTGTGTGTGCGGAAGTTTCATGCAAGATCCTATGGAGGTATTTGTGGATGATGAGACAAAAGCTAACACTTCAATGGG
 TCTGCAGCAATATTATGTAAAGTTAA

Q9925383.Seq

TACTTGTTCCTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGCTTAACCTGAAAAAAGAGATTATCTCACAG
 CAGTGGGCAGGATTTCATCGCATTTGATCCTTGTGAGCTTTTGAGAAGAAAGTGACCCACCACTCGGAGGGTCAGCATTCTTGGTATTT
 TAGTCCAGACATATTGGCGTTTGTATCCCACTGCACATATTGTTGCTTCAAAACACGTTAGCGCAGTTTGGTGTATTCCC
 TCACATCTTCCAGTGTGCCCTAATATTCAACAAATCCAGCTAGAGAAGAACGAGAGGCCGAAAGGATTGTGCTTCTCACTGATAAGA
 TGGTGTCTGTGTAGTAGGAAGACAGAAACCAAGTACCCAGCTTCTTGCCTTCTCCAGCTCGGACAAATACTTGATTCTGTTTGA
 TGGTCAAGAAGTAATGTTTGACGAGGATTCTTCTGCTTCTCCGGCGGGAATAAAGTGTACAGGTAGCAATGACTCTTGTATGA
 CATAACAAGACAAGAAAGAAATGGTTGAGTCCCTCTACAAGGAAGTCCGCTACTCACCGGAGCTGCTGTTGCCGAGTGGCACAG
 CTCGCCCTACTTATTTCGGGAAGAGAAATTGATNGAAGAAATTAGAAGCTTCNACNGNGATCAGAAGTCCAACATCCAGTGCAGAA
 TGAGT

70340-460660

Q9925384.Seq

TTGANATCCANTCTACTTGTCTTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGTACACGTGGGGGGCGTG
TACGCGTTAGGAAAGCACTTTGTGGGGGACTTCTGTAGCGTTTTCATCCTCTCCAGGGCTGAAATATTTAGGGGGGGCAACAAAA
CGCAAAACACCTCTTTTAACTTGC GCGTCAITGTCAACGAAAAGCCTGTAAAACACGAGGACGTAAAAGTGAAAAATACAAAAAA
AAAAAAAATCGTAAACACAAAAATAAAAACACGTTTATAAAGACCAAGCGGAACTCCTTAGAGGATCCTTGCTCTTCCACCCGCTTT
CTAATAGTTATTTCGGTCGAGCTCCCATGCATACGCACCTATCCTTGGGCCAACATGAAGCCAGAGATCATGGCGGCGGTGAGTTTCAT
CACGAAGTTCTCCGAACCAAGGCCTCATGAACGACCTCGACCTGACAGCGTTCAACCCAGTCCCTCCAGGATCTACTGGCCGATCA
CTATAAGCATCACTGGTTTCAGAAAAGCCAACTAAGGGGTGGCCTATCGTTGCATTTCGGATTAAACCACAAGATGGACCCCTTTAAT
TGGACAGGCAGCAGATCGTATTGGACTCAACAGCCAGCAAAATGTTTAAACTTCTGCCAAGTGAACTTACTTTTGTGGGTTGACCCATA
TGAAAGTATCATACCCGCATT

43230*2407660

Q9925384.Seq

TTGANATCCANTCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTACACCCACGCGTCCGGTACACGTGGGGGGCGGTG
TACGCGTTAGGAAAGCACTTTGTGGGGGACTTCTGTAGCGTTTTCATCCTCTCCGAGGGCTGAAATATTTAGGGGGGGCAACAAAA
CGCACAAACACCTCTTTTAACTTGGCGTCATGTCAACGAAAAAGCCTGTAAAAACAACGAAGGACGTAAAAAGTAAAAATACAAAAA
AAAAAAAATCGTAAAAACAAAAACACGTTTATAAAGACCAAGCGGAACTCCTTAGAGGATCCTTGCTCTTCCACCCGTCCTT
CTAATAGTTATTTCGGTCGAGCTCCCATACGCACATATCCTTGGGCCAACATGAAGCCAGAGATCATGGCGGGGTGAGTTTCAT
CACGAAGTTCCTCCGAACCAAGGCCTCATGAACGACCTCGACCTGCAGACGTTCAACCAGTCCCTCCAGGATCTA CTGGCCGATCA
CTATAAGCATCACTGGTTTCCAGAAAAAGCCAACTAAGGGTCGGCCTATCGTTGCATTTCGGATTAAACCACAAGATGGACCCCTTTAAT
TGGACAGGCAGCAGATCGTATTGGACTCAACAGCCAGCAAAATGTTTAAACCTTCTGCCAAGTGAACTTACTTTGTGGGTGACCCATA
TGAAAGTATCATACCCGCATT

Q9925384.Seq

TTGANATCCANTCTACTTGTTCCTTTTGCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGGTACACGTGGGGGGCGTG
TACGCGTTAGGAAAGCACTTTGTGGGGGACTTCTGTAGCGTTTCATCCTCTCCGAGGGCTGAAATATTTAGGGGGGGCAACAAAA
CGCACAAACACCTCTTTTAACTTGGCGTCAATGTCAACGAAAAGCCTGTAAACAACGAGGCGTAAAGTGAAAAATACAAAAAA
AAAAAAAATCGTAAACACAAATAAAAACACGTTTATAAAGACCAAGCGGAACCTCCTTAGAGGATCCTTGCTCTTCCACCCGTCCT
CTAATAGTTATTTCGGTCGAGTCCCATGCATACCGACTATCCTTGGGCCAACATGAAGCCAGAGATCATGGCGGGGTGAGTTTCAT
CACGAAGTTCCTCCGAACCAAGGCTTCATGAACGACCTCGACCTGCAGACGTTCAACCACTCCCTCCAGGATCTACTGGCCGATCA
CTATAAGCATCACTGGTTCCAGAAAAGCCAACTAAGGGTCCGGCTATCGTTGCATTTCGGATTAAACCACAAGATGGACCCCTTTAAT
TGGACAGGCAGCAGATCGTATTGGACTCAACAGCCAGCAAAATGTTTAAACTTCTGCCAAGTGAACCTTACTTTGTGGGTGACCCATA
TGAAAGTATCATACCCGCATT

Q9925385. Seq

AGCTACTTGTCTTTTGCAGGATCCCATCGATTTCGAATTTCGTCCGACCCACCGGTCCCGCTTTTGAAAGCGGTTGTGGGGATAGAT
 ACGGCGATAGGATCTCTGTCCATCCTACACCGTGTCTCGCTTCCGAGTGCCTTACAGCTGTGATAACTGATCCGCAATCGCTAGAGA
 ATAGAACGGTCTATTTTTCGGGTGTGAAGCGACGGGCTGTGGTGCAATAGCGCCCTAGGAGAGGCCCTGGGAGTCGTCCCTGATA
 GATTAGGGTTGTAGCCGTTGTGGGCATTGTTGTGTTTCTAGGTGCCCTTTGCCATGGCGTGTGGAGCCACACTTAAAGGACTA
 TCGAATTTCGATCCTCTGTGAGCCAGCAGCGTCTCCAGAGAAGATGCGCCCCCTCTCTCCCTCGGGGCCCTCCCCACAGA
 AATACCTTCGCTTGGAACTTACCCGTTCCGGGAGGTGTCCCTCGTCTTACTGCAGAGCAATCCTTATAACATTAAACAAGAGT
 ATAAACGAATGCAAAAGCGAAGACATTTAGAAAGCAGCTTCCAAACAGACCCCTGTCTCCAGCGAGGGCCAGCCACAGACTT
 TCATCCCATCTGGGCCGACTTTACCAGGCACATCAGCTACATCTTCATTAGAAAGGAGCAGCCATTGTTTTCATTAAAGGCAAGTAG
 GCATGAN

Q9925386.Seq

AANCCCTTTTGTATNCAANTACTTGTCTTTTTCAGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGTACAGACCA
 GTGCCCATCCAGCACGAGCTGTTTGAAGGTTTCTCAGTTATGATCAGACTAAAGTGCCACCCTTTCTTGACGGAACATTAATG
 GCATGGCAGGAGAAGAAATCACCCGTGGCTAGAGCTGTCTGATGTGCACCGAGAGACCAAGAGAAATATCAGAGTCACCGTCATCCC
 TTCTACATGGGAATGAGGAGGCTCAGAAATCTCACGTATACTGGTGGCGGTACTGCAATTCGTTTGGAGAAATCTTGGTACTGATGT
 GTTCAACTGCCGGAAGACA CTGGAGAAATTTTAGCCCTATCAGGAACCTTGGAAACTGTGAGGGCCGTGGAGTCGTAGGCAGGGA
 ACCAGTACTATCTAAGGAGCAGCCAGCATTTTCAGTACAGCAGCCATGTCTCTGCAGGCTTCCAGTGGTCATATGTGGGTACATT
 FCGTTGTGAAAGGCCTGATGGCTCACACTTTTGATGTTTGAATTCCTCCATTTTCTTGGAGAGCAATAAGGATGAGAAGACGCCCCC
 TTCTGGTCTCCATTGGTAGTGGCGCAACATATGCCGCTTCACTGGTCAGCACTTTGTAGAACTATTACCCCAAAACCTGCTNTTAT
 AAAAGAAACTGTTGTTTATT

Q9925387.Seq

AAATCAAGCTACTTGTCTTTTGCAGGATCCCATCGATTTCGAATTCTGTCGACCCACGCGTCCGAAACAACATCATCAAGATCGTGG
TCTGCAATATAAAAAGAAATTATGATGATAACGAGTCCCTAAGGACACTCCGTTATGGAAGATCATGATTATGACAGATCAGGATCA
AGCGGCTCCCATATCAAGGCTTATTGATCAACTTTATCCATCACAACTGGCCATCCCTGCTAAAACATTGTTTTTGGAGGAATT
TATCAGCCTATTATCAAGGTACAAAAAATAAGCAGGAACCTTTCAATTTTATAGTATCCCTGAGTTGAAGAAATGGAAGACAATAC
TGAGAGCCACAAAACCTGGAATAATAAGTACTACAAAAGGTCTGGGTACAGCACATCTAAAGAGGCAAAAGGAATACTTTGCGGATAT
GGAGAGACATCGTATTCCTTCAAGTATGCGGGCCCTATAGATGATGCTGCGATCACCATGGCCTTAGCCGAAAAAGGTGGATGA
CCGTAAAGGAATGGCTGACCAACTTCATGCAAGACCGAGGAAACGGAGGCTGCATGGCTTGCAGAGGAATACCTTTATGGAATAATC
CACAAAATATTAAACATTCAATGACTTTATTAAACAAGGAACCTGATTTTGTCTCTCAAACTCGGACAAATGAAAGACCATCCCTTNCCTG
GGTGATGGGTAA

Q9925430 . Seq

AAATTCAAAGCTCTTGTTCTTTTGCAGGATCCCATCGATTCCGAATTCGTCCGACCCACGCGTCCGGGGGAGAGAAACATGGCAGCCGAG
 CCGACTAAAGCCGAGATTCAGGCCGTGTTCAAGGGCTCCGGCTGCGCTACTTAAACAAGTCGTCTTCGACTGCGGCGCTAAGAAT
 CCCAGCTGGGCCAGTATCTCTTATGGAGTCTTCTCTGCATTGACTGCTCTGGAAATCCACCGCTCTTTGGGGTTTCACTCTCAGTTTC
 ATCAGATCGACTGAGCTGGACTCTAACTGGAGCTGGTTCAGCTGAGATGCAATGCAAGTGGGAGGAAATGCCAGCGCGCAATGCGTTT
 TTCAATCAGCATGGCAGCTCCACCACGACCAATGCAAGTACAACAGCCGACGCTCACACGTATCGGGAGAAAGATCAGACAT
 TTGGCAAATGCTGCCATGTCTAAGCACAGTGTGATCTCTGGTTCGATGGGATGAACTGTGCTCTTTGTGCAGCCAGCAGAGAGAAA
 GAATCGGACTTTTTTTCAGAGATGACCCAGCTTCCAGCTCTGGGAGGCAACTCCAGCGTCAGAACCCACAATAAACCACTGAAAACA
 ATGCTATAAGTGCGCCAGAAACTGCTGATTTTACAAATGCTGAGAGCGGCCCCACCGTCGCACATTTCTAAGCTCATCT

[illegible]

Q9925431. Seq

AAATTCAAAGCTCTTGTTCTTTTTGACGGATCCCATCGATTCCGAATTCGTCACCCACCGCTCCGAAAAATATCTCCTTAATGCATTTCCAGAGCTTGTTGTCGAGTGCTATGATCATTCGGTTTTATGATCATCTGCTTTACAAATATACATGACATATTACATTACCTTCATGTTTGAAGCACTTACTGTATTTTGCGAAAAATGCAAAATCTGTCAATTAATTTTGAGCATCTCAAAGCTACGTACTTTATAAAATGTATGTTGTATATAATTAATTGACGGATGTAAAATGCATACCTTTGTCAATTGTACTCCAGAGAAAGTCTGGGTTTTCAATTTGGAGGGGTTGAACCTTGATGCACTTTGCTCTTTTTCAACCCGATATAACTAAGAGTTGCTGTTTTAGTAGTTTTAAAGAAATACAGGTTGGTAAACAAGTCTTTTGTAATTCAGAGTTGTAGTTTCCAAAAATATTTGTTACTGTAATATTTTGGTAAAGTGGGTTTCAACATTAACAAAAACAAGCATGGGTAATGTTTGTAGAGGCTAAAGTGTGAACCAATAAAATTCACATGCCCTATTTATAGTTTTCTTTAAACGTACATCGTTGGGTAAATGAAAGACTCTGCTGTACTGAATTTAGCTGCAAAATATANATTTGTTAGTATGTATGGGATTTAACTTCTGTTG

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100

Q9925432.Seq

TTCAAGCTACTTGTTCCTTTTGCAGGATCCCATCGAATTCGAATTCGTGACCCACGGCTCCGNCCTNANNNGNANGGAAAGGAAN
NCNATNNANCGCTGNTGNNTGCAATCCCTTAATGGCTGNTGGAGCGCAANGACATGNTGCCACTGACACGGCTCANCTGG
AATTATCNTACTGCTTGTAANAATCTAAATGTGAGGGTCTTGACACCCCTGATCTACNTATAAINTCGACCTGTGACATAANNNNAT
GNGTAANTCINANNITGNCCTNNNCGNNTTGNNTANGNNTGACACCGTGATAANCCANANGACCNATCTNNNNNNCTNCCGTT
TCAANCTTTTTCACNAATCCTATAGCATNTCNAAACNATNAATTTTACATNGGATGCCCTCTNNNTAAATAGCGCTGCTATGGCAGTGG
CTNNCAGAGAAATAACTAGAAAGCACCNNTGAACAATGATGTGCCCTCCATTTGTGTGCNTTAAGGANNGAAGGTTCTNNTTTATTTTA
ACTNTANNGAAAAACAGCGCNGAAACCTTATTAAGATGCCCATCAACTGGATTTTGNATGTGACTAGGATTATNCAATGGGCCCTGGA
TCNTAGTAATGCGACCCATCTACTGATCCAAACCATGTGNGCTANGCCAAAGCCTCATTTGTTGNTGACCCAAAGACTNNTTAGCTCCN
TTATNAAGGNCCTTTTATANTGTCTTCTTNGNTA

Q9925433.seq

Page 1

Q9925434.Seq

AAATCATGCTACTTGTCTTTTTTGCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGCGGCCAATCAAGGTACTACTGGC
TTTTTCACTTGGCACATTTACACCTAAACTACTACTACATCAGGTTTGGTTTGGTACAACTACACAACTGCACCAACAGGCTTTTGGGA
GGTGGATTTGGAGGCTTTGGAGCTACTACAACTGCATCTACTGGGCCAGCTTTTAGTTTACTACTCCAGCAAAACACAACTCAGGT
CTCTTTGGTGCTACACAAAATAAGGATTTGGCTTTGGAACTTGGTCAACTACAAACAGCACAGGTCTAGGTACTGGTCTT
GGAACAGGTTTGGGTTTCAACCGGATTCATATACATCCCAGCAGCAGCAACAGCAGTCAGTGTGGAGCTGGTCTTTTCAACCAATCT
TTTCAAAGCACCCCCAGTCGAACCAACTCATAAACACTGCTAGTGTCTTTCTGACCCGACTTTACTTGGGGATGAGCGAGATGCA
ATCTTGGCAAGTGGAACCAACTTCAGGCCCTTTTGGGGAACAGGCCAAGGCTTTTATGAATAACACACCTNCTGTGGAATTCAAC
CAGGAAAACCCATTTTGTAGGTTTAAAGGCTGTGGTTTCAGCTACATCCCTAACAAAGGATGAAGATGGTTTGATT

Q9925435.Seq

AAATTNNAGCTACTTGTCTTTTTCAGGATCCCTCGATTTCGAATTCGTCCGACCCACGCGTCCGAGATTTTCTCGAAGTATCAGAAA
 GCTGCTGCCGAGTCAAGTTTGGAAAAGAGAAATCTTCTCAACCGGAACCTGGGAAAATTAAATGTTGGAAGAAATTATTGCAGACAAG
 TATGTCTCCTCTGAAGACTCCGATAGCTGCTTCACTGACAAAGAGTCTTTCTATATCTTCTGGCTCTCCTGATGGCTCTCCAAGCAAA
 CACACTTCTCATAGGAGTCTGGAAGATCTCCCATTCGTGAGGCAACTCCGCTGAGAGATAGGATGGCCCAAGTATCAGGCACTCTTT
 TCCAACAGAAATGAGNGAAGAAACCAATTCGTGAGCAGAAAGAAAATGGTCCCCCAAGCCCACTGGACCATGCCCTTTTGGCCCAAT
 AAAAGAAGACTNGGATTGAAACCNCGCCCTTAATTTCCAGGACCCCGGGGAAAACCTTGAAAAAATNTGAAGAGATTGAGAACTTC
 CNTCGGNTCTTTTGAAATNCAGNCCCCAAAGAGTGTAAATCAGNGNGGGCTTCCCCCTCCCAAAATTTGTAAANAAGTTCCAGTTGCC
 GGCANANAAAGNTGNTTANCTGCCAAAAAACTGTTTNTCCAGNGGGACCGTNTTTTGGCCAAATANTCAGGNGTNCCTCCCAACN

Q9925436.Seq

AAATTCTCNGCTCTTGTCTCTTTTTCAGAGATCCCTCGATTTCGAAATTCGTTCGACCCACGCGTCCGGTGGAAACAGCGGGTTGTAGTGAAG
CGGTTCCAGTTGTTCGGTTTTCGGGAAAATGTTCGCTGCGTATCACACAGAAAACATGATGGCAATAACAGAAAAACAATGTGAAAAACCACTT
TGGCTGGAAAAGAGGGTTGTTCGCCACCAACACAGGCTTGAGACCTCGTACAGCATTGGGAGACATTGGAAAACAAGGCAGAGCTGAAAAG
TGCCAGCAAAAAGGAAATTAAAGCCAGCAGTAAAGGCTGTCAAGAAGACAAAACCCATTGACAAAAGTTTGGAGCCTCTGAAAAGTCA
GTGAAGAGAAATGTTTGGCCCTAAACCTACTCCGGTTGAAACCCAGCTCACCAAGCCCAATGGAAAACATCTGGTTGCCCTCCCTGATGAGC
TTTGCCAGGCCCTTCTCTGATGTCTGATTCAAGTTAAAGATGTTGATGCTGATGATGATGGCAACCCCAATGCTGTGCAGTGAATATG
TCAAAGACATTTATGGCTACCTGAGAAAGTCTTGAGGATGCACAGCAGTCAGACCAAAATTACCTACATGGACGGGAAGTTACAGGCA
ACATGCGGTGCTATTTTGTGATCGACTGGCTGGTCCAGGTGCAAAATGAAGTTTCCCGTCTGCTGCAGGAGACCATGTTTATGACTG

Q9925437.Seq

AAATCAAGCTCTTGTCTTTTTCAGGATCCCTCGATTTCGAATTCTCGACCCACGCGTCCGATTTTCTCTTCCCCTTTGTCCGCT
 GCGCATCGGCGGCATCCTCGGTGCAATCATGACAGTGGGAAAAAGCAGCAAGATGCTGCAGCACATTGACTTCAGAAATGCGCTGTAC
 CCTTCAAGATGGAAGGATCTTTATTTGAAACATTCAAGGCATTTGACAAACACATGAATCTCATCTTATGTGACTGTGATGAATTTAG
 AAAGATTAAAGCCAAAGAACTCCAAACAGCCAGAACGTTGAAGAAAGAGGGTACTTTGGTCTAGTGTGCTTCGAGGGGAGAACTTGGT
 GTCCATGACTGTGTAAGGCCACCTCCCAAAGATACCTGGCATTTGCCAGGGTTCCATTGGCAGGAGCTGCTGGAGGACCTGGAGTAGG
 CAGGCGAGCTGGCAGAGGTGTACCTGCTGGAGCACCTATGCCCTCAGGCTCCTGCTGGACTGGCAGGACCCAGTACGTGGTGTGGGAGG
 ACCATCACAGCAGGTTATGACGCTCAGGCTCGTGGTAAATGTGGTAGCAGCTGCCACAGCTAGCATTTGCTGGAGCCCCCAACACAGTA
 TGCAGCAGGTCGTGGAGGACTACTTNCACCAATGGGCAGANGAGCACCCCCCTTCAGGCAATGATGGGGCCACCCCCCTN

4040" E460T660

Q9925426.Seq

AAATCAAGCTCTTGTCTTTTGCAGGATCCCATCGATTTCGAATTCGATCCGCTCCGCTCGAGTTAAAGGGAG
AGTCACCATGCACAAGTCCGAGGCCACCAACGAGCCAGCAACTCCGCAAGCTGTTCAATTGGAGGCTTGAGTTTGAACCCACAGA
TGAAGTCTCCGCGAGCACCTTGAGCAATGGGGCACCCCTTACAGACTGTGTGGTTATGAGGGATCCAAACTCAAAACGTTCCCGTGG
CTTTGGATTTGTACATACTTATCTACAGATGAAGTAGATGCTGCCATGACTGCTGCCCAATATAAGTGGATGGCGAGTGGTTGA
ACCTAAAGGGCTGTCTCTAGAGAGGATTCCCTTAGGCCCTGGTGCAACCTCACCGTAAAGAAAATCTTTGTAGGTGGTATCAAGGA
GGACACAGAAGAAGATCATTTACGAGAATATTTTCGAGCAATATGGCAAAATTGAAGTTATAGAGATAATGACTGACCGAGGCAGTGG
CAAGAAAGAGGCTTTGTCATTTGTACATTTGAAGATCATGATTCCTGTTGACAAAGATTGTCTATCCAGAAATATCACCCGTCAACAA
CCACAAATTGTGAAGTGGGAAGGCACCTCTCCAAACANGAAATGGCAAGTGTCTCTGGCAGTCANANAAAGGACGTGGTGGCTTTTGGGA

A

Q9925427.Seq

TTGAAATCCAANCTACTTGTTCCTTTTGCAGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGGAAAGCGCTGGGGCCGCACG
 CACTGGTCCGGGGTACAGCTTGGCCCTTCCTTATAAGGTGGGAGACACTTTAACTGGGACTTTAGGGGACTTCTCCCCC
 CACCCTGGACCTGCTTTGCCCTGTATTGGCTCTGGCACAGGGCAATTCGGGACTTCGAAATTGTTCTGTTTGGACATAAACGTG
 TCTTTGTACCCGCCGCCAAGTTCGTGTCCTGTACTCTGGCAGCGTTGGGTAGTGGTGTGATCAGCCATGGAGGGCCCCG
 AGGTAACCGATGGGACAATGTTCTGAATCTGACCCACTTGGGTCCTTGAGAACCTTAACTTGGAGCTGGTGTAGTGAGAACAAAGAGGA
 AGGATGTCCAAACAGATACTTCTGCCCCACAACCGCCCTGGTGGTCTTACCCCCCTGGTGGCCCTCTTCATCCACCTGCACCTTCTTGG
 ACATTAGCAACAACAACATGGTCTACATTGGAGAGGAGATCCTGGGGCTGACTAAGCTGAAGACCCCTGCTGGCCAAAACAACCCGTC
 TGGATGAGTTCTCCTTCCCCAAGAGATGGGGGGCATGAAGACTGGAGGTGCTCAACCTGAGTGAAACCCGCTTTGANGAGATACCG
 GAC

TTT 24607550

Q9925428.Seq

TGAATCCANCCCTTGTTCTTTTTCAGGATCCCTCGATTTCGAATTCGTCCGACCCACCGTCCGGGGGAGAGGCTCTGCATTGAACCA
ACTTTGCTGACCTTCACACTAGAAAATTTTCAGCCATGCAGACAATTAATGTGTAGTCGTTGGTGTGCTGTGGTTAAACATG
TCTGCTTATCTCTTACACAACAACAAGTTCCCTTCTGAGTATGTACCAACGGTTTTTGACAATTATGCCGTAACGGTTATGATCGG
AGGGAAACCATACACCCTAGGTTATTGTATACAGCAGGACAGGAAGATTATGATAGATTACGACCGTTAGCTATCCACAGACAGA
TGTGTTCTAGTTTGTCTCAGTCGTTTCACCATCTTCATTGAAAATGTGAAAAGTGGGTACCTGAAATCACTCATCACTG
TCCCAAAACTCCATTTCTGCTGGTTGGCACCAGATAGATTAAAGAGATGATCCTTCAACAATTGAGAAACTGGCAAAAACAAACA
GAAACCAATCACTCCAGAGACAGCTGAGAAACTGGCCCGTGACTTAAGGAGTTAAATATGTTGAGTGTCTCTGCATCCACAGAAA
GGCCTAAAGAACGTGTTTGATGAAGCGATATTGGCCCGCCTTTGGAAACCCCGGAGCCCCAAGAGAAACGCAAGTGTAGTCTGT

Q9925429.Seq

TGGATATCCAANCTCTTGTCTTTTGCAGGATCCCTCGATTTCGAATTCGACCCACGCGTCCGGACCNNGTGAGGGAGTTGGTGG
CGCTGGATTGAAACGGGTTCAATTTAGGGATCCCAGAGGCAGTGTTCGTGGAAGATGTAGATGCAATTTATGAAGAAACCTGGAAATGA
GACAGCTGATGCAGTTCTCAAGAAATTGGATGAGCAATATCAAAAATATAAAATTTATGGAACTTAACTTGACCCAGAAAAAAGAAAG
GCTAAAGAATCNGATCCAGAAATTAAACAGACCTTNGAAATTTTAAACNCAATGCANAAGAAAAAGGTACTACTGAACCAATGAA
AACTAGGTTTCTGCTAGCAGATAATCTGTACTGTAAAGCATCTGTGCCACCTACAGACAAAGTCTGCCCTTTGGCTTGGGGCCCAATG
TTATGCTTGAGTATGATATTAATGAAGCTCAGGCTTTGCTAGAAAAGAAATCTTTCAACTGCTTCAAGAAAACTTGGCTCTACAGAAAG
AAGACCTGGACTTCCTTAGGGCCAGTTTACTACGAGCGAAGTCAATATGGCTAGAGTTTATAATTGGGATGTAAAAAAGAGAAACAA
GGATGACCCCTTCAAAAAGCAAAGCATAAATTTCTCCCTGTTTAAATGAGACCCCGTTTTTAAACCAGATTTTTTAAAAAAGGGGGC

402240" E460T650

Q9925388.Seq

ATATCNAGCTACTGTCTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGGTAAAGAGAACGGGGAATGTG
GGGAGAGCAGTGACATCTAGGAAGTCTGAAATGCGCTAAGGCATAGAGGAGCGGAGGACAAATATTTGATTGAC
AGCTGAGATTTTAAATGAGTTTACAAACAGCTATGAATGCTTTAAATAAATAAGAAATGGGTTTCATGCTTAATTTTAAAAGGAC
TTTTATTATACAGATTTTGGCTCTTGGTGACATGTCTACTTTAAGAGCCTTATTCTACACGATGCTAAAAGTTTGTCTTACTTGCA
GCCTTATCCTCCATTTATGCCCTCGAAGAAATAACTGGACGAAACAGATACCGATCACAGCAACCGATACCAACCCATTATCATCC
AAGTCTTTTACCCATGTACTGTAAAGTGACAGTAAATATTTTCTGTGATGTCCTCCATTGCTCCTTCATTACATAATGGTATGGAAT
TTGCTAAAAGGATAATTGTGATATATAAAGGATGACATTTTATTATTAATTTGAATGGATTTTACTGCAATGTGTGTATCTGTGCA
GTTAACTGGATTTGCCATGTGCTGTCTTTTTTTTCCGAATTAAAAATTAAATGATGATTTGTGATAAATTAAGCAGTAAACACTTGC
ACAAGGAATCN

Q9925389.Seq

AAANCCCN¹TTTGN²TATCCANTCTACTTGT³TCTTTT⁴TGCAGGATCCCATCGATT⁵CGAATTCGT⁶CGACCCACGCGTCCGTAGTATT⁷TCTG
TGCCA⁸TTT⁹TGTG¹⁰TGAAGAAGCAGATT¹¹CGGTTT¹²TAAATT¹³TGCCGTT¹⁴TAAACGAAGCAGAGCATTT¹⁵TATT¹⁶TAAGAGCCTGGCTC
TGACATCACC¹⁷GGCTTT¹⁸TTT¹⁹TCCCTTT²⁰CGACTTT²¹CCGACTCTCCATAGCGTCTAGCTATT²²CGAGTAAAGAAAGCGAAGAAT
TTTT²³T²⁴TGAAACTTCAACTACCGCCAAAATT²⁵GGCTCCCCTCATTC²⁶CATCATGATGGCCAGTAATGT²⁷GACTAAACAAGACGGATCCCCG
TTCGATGAAC²⁸TCGCGTGTATTATTGGGAACCTTAATACGCTTGT²⁹TTAAGAAACTGATGTAGAAGCAATCTTT³⁰TCAAATAATGG
AAAGATTGTGGGCTGT³¹TCTGTGCAAGGGCTTT³²GCATT³³TGTGCAGTTT³⁴TCCAATGAACGCACTGCCGTACAGCCGTTGCAGGTGA
AGATGGGCGCATGATT³⁵GCAGGGCAAGTCTGGATATCAATT³⁶TAGCTGCTGAACCTAAAGCAAACAGAAAGCAAAACTGGTGTCAAACG
ATCAGCTGCAGACATGATGGGTCTTCC³⁷TTGATT³⁸TGGAGTATGATT³⁹TCCCAAGAGATTACTATGACAGCTATTCT⁴⁰GTCAACACCGTGT
ACCAACTTCTTCC⁴¹TNCATTAGCTCG

Q9925390.Seq

ANACCCCTTTTGNNAATCCNNTCTACTTGTCTTTTTCAGGATCCCATCGAATTCGTGACCCACGCTCCGCACTGTGAC
 ACTTCCATGTAATTTGTTATTAGGATGCACCAAAATCCAGGATTCGGTTCGGGATTAGCCCTTTTTCAGCAGGATACGGCCGAATCC
 TTCTGCCCGCCGAAACCAATCCCAATTTTGTGTTACAAAAGAAATGAAGTAAATGTTTCCCTTTCCACCCCTAATTTGCATATGCA
 AATTGGGGTTCGGTATTCGGCCGAATCCAAATAGTGGATTCGGGGTTTCAGCCAAATCCAAAATAGTGGATTCGGTGCATCCCTAT
 TTGTTATACATGATGAACCTTTCATACAAACCTGTTTATTCTTCTCTGTAAACACTGCGATTGGTAGAAATAATCTGATGTTTCAATAA
 AGTATTTGTTTTTTTCCACGTTGAAAAAATAAAAAAATAAAAAAAGNCNNANAAAAAATTNAAANNNGAT
 TAAAAAATAAAAAAGGGNGGCCGANGCCCTTCGANCTTTANAACTNTNGGNGTCGTTTTCGGTANATCCANACATGATAA
 NATACNTTGTGAGTTTGGCAACCCNCACTAGAAATGCANNGAAAAATGCTTTTTTTGGGAAATTTGGGAGGCTTTTNCCTTTTANTT
 TGGAACCATTTTAAGCTGCAANTAAACAA

Q9925391.Seq

CTACTTGTCTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGCCCTTGGCCCTTGGCGGGTTTAGGTGCTTGTCTC
 TTTAGATTTTATCAGTCGGTTTAAACGTTCTTTTCCCGCGGATGGCTACTCGTCGGGCTGCAATTTCCCGTGAAGCCCGATAATATC
 CTTGGGGCGCAATGCGGTCCAAAGTTCAAATCCATGGCAAAAGAGCTGCTTTGGGTGAAATTGGCAACAAAGTGACCCGTGCGAGGA
 AAACCATGCGAGTCAAGCCTTCCAATGTTGTGGCAAGCCGTCAAAGACTGTGGCACTAAAGTTGCAAAATGTTAAGCCCAAAGCCT
 GTACTTGTGAACCAACAGTAGCTGAAGCTCACACCAAAGTGCCTTCCCTGTGCCAATGGATGTGTCTATGAAGAAGGAAGAGCTG
 TGCCAGGCATTCTCTGATGCTTTGACCAAGTGTGAAGACATTGATGCAGATGATGGTGGCAACCCCTCAATTGTGCAGTGACTATGTG
 ATGGACATCTATAACTACCTAAAGCAACTGGAAGTCCAAACAGTCTGTACGCCAATGCTTCTGGAAGGAAAGAGATTAAATGAGCGT
 ATGANGGCTATCCCTAGTTGACTGGCTTGTTCAGTGTCTAGGTTTCAGCTTCTTCANGAGAACTTTTGTACATGGGTGTGNCA
 TCATGGG

Q9925392.Seq

TGGAACCAATCTACTTGTCTTTTGCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGATTCTTTAGTGGCGGGGTT
 GTGCGTGTGACGTGCACGCGCAGGGTTCGGGGGAGTTTCGGACTGGGCCCGTGGATCAGCTGGAGACATTGACACTCTCCAGAAATGG
 CCATGCAAGCTCACTATCAAGCAGAAAGCCACAGAAAGAGAAATTTTGGGCCACAGGCAATAACCCGACTGGAGCAATGTGGGATAA
 ATGCAATGATGTCAAGAAACTGGAGACGCCGGGTTCCACACGGTAGAAGCGGTGGCTTATGCGCCAAAGAGAACTGCTCAATA
 TAAAGGCATTAGTGAGGCTAAAGCTGAAAAAATCCTAGCCGAAGCTGCCAACTGGTTCCCATGGGATTTACTACAGCCACTGAGT
 TTCAACAGAGCGGCTCTGAAATAATAACAAATCGGTACTGGTTCCAAAGAGCTCGACAAAGCTACTACAGGGGGCATTGAAACTGGCT
 CTATCACAGAGATGTTTGGTGAGTTTCGCACTGGGAAGACTCAGCTGTGTCCACACTCTTGGCTGTTACCTGTGAGCTTCCCATTTGATC
 GAAAGTGGTGGCGAGGGGAAGGCCATGTACATCGATACAGAAAGAACCTTTCGTCCAGAACGTTTGCTTGCTTGTGGCTGAAAGATAT
 GGATTATCGGGAAGTGA

Q9925393.Seq

AANCCCTTTTGAATCNANCTACTTGTCTTTTTCAGGATCCCCTCGATTTCGAATTCGTGACCCACGCGTCCGCTCTTCACTTAA
 TGAACACAAGGACTAATACAGACAAGATGACCAAGCTTTCTCCTCAGTAGAATGGCTTGCTCAAAGCAGCCGAGATCTTACAGAG
 AAAAGCCAAAGCAAAGTGGATCAGCGATATTCAACCGTACCCAAAGCCCATCACTGCCCTTCCTGGAAACAGTGAAGTATCCCTTCTTCAT
 GGAACAACCAACTATCTCGAGATCCAGACAGTGCCCCAAGTCTCACCATGTCTCTGGGAATGCACAAGTATCTCCATATTCCTCAGACA
 GTGAAATATCACTGTATTCCCATGAAGAAGAAACCAATTCCATGGAAGGGACCTTAATACCTCAACCCCTGGAGACAATGGATTTC
 TACACAGGGACACAACCAACGTATTACAGAGGAATGGAGACCTTGGCAGCCAGCACTCCAGCAACATCACCTGTGAAAGGGGACAAT
 CTGTTGATTCCGGCTACAGCACTAGCACTGACTCCGACTATGAAAGTGAAGCAAGTCGCTCCAGCTCTGCAGCCCTGAAAGGAGATG
 CCACCATGTCTCTGAGCCCAGTGATACCTCANATGAAGGGCAAGATGGGCCCCAAGGCTGAGAACCAAGCTTTTACCAGTGATCA
 GATCTTCACTCTTGGAGAAAACTTCCAGA

Q9925394.Seq
 AAATCAANCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTTCGACCCACGCGTCCGGGAGTGAGGAAGATGGCGGCGGT
 TCTTAGTGAGGGTGGCAGGTACGGACTGTCCCTGTGGAGGGGACCCAGGACCAAGTTACCGTACTACACGTCAAACCTCACTGAGAC
 CGCCTCCGCGCACTAGAGGCCACAGAACACTAAGAATTCTTTAACGTCCCGACCATCCATTCAATTTAAGGGACTACAAGGATG
 TATCAAGATCCCAAAGCCAGATTGCCCTTGGTGATGTGCACAACTTTAACTTCTATCTGTCAAATGTGGCAAAGACAAACCTCAGGG
 TAGTTTGTACTGCATCCAGCAAACCTGTCTCCAGTTTCGGGTTGTCCAAATTGAACTGCCCTAGGATGCATACAAGATAAAAATAACAGT
 ATGTGCCACAAATGACTCCTACCAAGTGAACAAGAGACCGCATGACCCAGGCAAGAAACGCGGAGCCGTAGTACTAAAGTCAT
 AAAACGAGGGGACCATTTGTAGGGAACCGAGTCCAGATTTCGAAACCAAGCAATTAATTTCTAGATACAGCACCAAGAAAGGAAGAG
 ATCAACGCCCCATTAAACCCCTGCAAGTACGATAAGAAATCCAAATCAAAGCAGCGTAAATTGCACAGCGGCCCTATAGAGAGGGTGAT
 TCATCTGCTGGCACT

Q9925395.Seq

AANTCCANCTCTTGTCTTTNTGCAGGATCCCTCGATTCCGAATTCGTGACCCACGCGTCCGGGCTTTGGATGGCAAACTTATCAAG
 CTCGAGCAAGCAAAACCAATCTTTCAGTACTCCAAGAGCGGTGGCCACCTACATCTCCCAGGAGTCGTGGTCTCTCAAGAGGA
 CTCAGAGGATCAAGAGGAGGTGGATCCTCAAGAGGGCAGATGCCCTTTGAAGGGGGCCGCCAACCAAGAGTGGTGACCTCCACCA
 AAAAGATCTGCTCCATCTGGCCCTCTTCGAAGCAGTGAAATGGGAGGCAGAGCTCCACTTTCGCGTGAGAGGGATGGTTATGGTGCA
 CCACCCCGCAGAGACCCCAATGCCATCTCGAAGAGATGTCTATATGTCCCCTAGAGATGATGGCTACAGTGGAAGAGATAGATATGAT
 GGATATTCGGGCAGAGATTATGGGAGTTCAGGGACTCTCGAGATTATGGCCCACTTCAAGGACTACTCTTACAGAGACTATGGT
 CATTCAAGTTCTCGTGATGACTATGGCTCTAGAGGTTACAGTGATCGTGATGGTTATGGTGGCCCCGACAGTAGGGATTATTCGGA
 TCATCAAAGTGGAGGTTCTACAGAGACTCTTATGAGGGCTACNGTAACTCACGTAGTGCTCCACCTGCAAGAAGGTCCCCCGCCATC
 ATATGGTGAAGCT

Q9925396.Seq

ATATNCAANCTACTTGTCTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGAACGTTTTCCTTTAGGAGGC
 CAATTTTCAAGAAGGGTGGAGAAAGGCTACTGTACCTGAGTGGGCAGAGACAAGGTGTAAGCAGGAGGCGAGGTCTCCGTTCCCTATC
 CTGCCCTCCCCCTTCTTGCAGAGCGAGGAGGGGGCAGGTATCTTCTCCCGGGGCTAAGCGCTGCTCTTCTTTGTGAGAGGTC
 CTACAAAACCCCTTATATAAATTGTTGGTAAATTCAGTATCGGGATGATCTGGCTGAGGCAACTGTAGAGCCAAAATGACCACCAGG
 ACACCGCTGCCGACTGTTAACGAAACGAGATGCTGACAGCCAGCGCTGGGTCAATGCAGATCAAAAACAAGCAGCAGTGGCAGCAGC
 AAACCGAATATGCTGCGATGCCGACATCTATCGCCACAACAGCTGACGAAACAGCCACACATTGGAAACTACCGGCTCCTCAAAACC
 ATTGGCAAAGGCAACTTTGCTAAAGTTAAACTTGCAAGGATGTACTGACTGGCAAGAGGTTGCTGTAAAAATTATAGATAAAACG
 CAACTTAACCTCATCTAGTCTACAGAAAGCTTTTTCAGAGAAAGTGAGGATCATGAAAGTTTAAATCACCCCTAACATAGTTAAGTTATT
 GANGGTATTGAAACTG

Q9925397.Seq

INCAAGTCTACTTGTTCCTTTTGCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGAAGAGTGGCAGCAATGGCGCGGA
 EGGTGAGCAGCGTGCGACTTCCGATGTGACTAAGGCCCTGGCTCGGCATCTCAATTGCCCTTAACGATGAGAATAAAATGATTAGAAG
 3AGGGCACTGGCTGCTATACAGAAGGAAGCCGCGGATGAGAAAGCTGGCCAGCGCTGTTCTGCAGCATGTTTTCTTAGAGTTGCTAAA
 ACCCTTACTCCGGTGCCTGTGAGACCCCATGGAGAAATGTCCGGAGTTGTCTATCCAAATCATAGTATTGCGTCAGTCACGTGCC
 CAGGCCGAGGAAGCCTTGCCCTACTTGATGCCAGCCCTCACACAGCCCTGGGCCAACAGCAACTTGTAGAACTTTCTGAGGAGCT
 CAGACTGGCAATGGTCGAGCTTTGACTCTGCTCGTGGAGGTTTGTGGGAAGAAGTTGGCCCCCTTACCTGGATGAAATGATTCAAAAT
 TTTTCAGAGGACGATGGTAGATCCCTTCCCAGACGTGAAGAAAGAGAGCTGCAAGTGTGCTCCAACTATGCCACATGTATACCAGA
 GCATTTTTCACACGCGCAGAGTCATTGATTAAAGCCCTGATGCAAACTATTTCACACCAACATTCTAAAGTGCCTGTCGCTGTTAT
 TCAACCAA

Q9925398.Seq

AAATCAANCTACTTGTCTTTTTGCAGGATCCCATCGATTTCGAATTCGTCCGACCCACGCGTCCGGGAAGCCCTCTCTTCTAGCCGGCT
 CAGATGAAGAATGAAACTTAACAACAATGAACCTGACTAAAGAGATGTCTAAATAATGGGGGTCCCAAAGTTACAAAGTATTGAC
 AGAGGAAAACCTCCATTGACTCTGTGGGAATCATTTGTGATGCCATCTCTGCTGCAGCTTGTAAATAATTTCTAGACCTGTGAAGTTTC
 CATATATACATTTTGGACTAAGAACTAAAACATAATGCTTTTGGATATAATAAAGATACCTATTACACTTAAGTTACTAGCAAGA
 TGTGGATTTTACAGCTACTTTTAAATAAAAACCTACTGTAAAATGTTATGGATTACAGAGGGAAGACAGAAAAAACAAGCATAGTAT
 ACGAAGCATAGTATATTTAACCTAATGGGAGTATGCCAGCTGGACATTGTTACTGTCTCTTCAGAAATTGTCCCTTAAGCCCAATGGC
 ATGCATTGCAGTTTTCAATTTTGTGTTTTCGGATGATTGATCTGCGGTGGGGGACAAAATGCTCCAAGTCATTTGAATGGCA
 ATCGCCCTGCAAGTATGGGTATAGTCAGCAAAAAGGTTTTTTTAAACTATTAAATTTCCAGGTGACAAATCAAGGACAGCTTTTTTTTG
 CCGTAA

402240" E460T660

Q9925399.Seq

GATACCCNTTTTGANANCNANCTACTTGTTCCTTTTGCAGGATCCCTCGATTTCGAATTTCGTGACCCACGCGTCCGATCTGCGGGA
CTGCCAGAGAGCCCTGAGGAAGGATAAGAAAATGCTAATTCTCCGCCCTTCAAGAGGACCAAGTGCCTTTATCCCCACAGAAAAGAGT
TGGCCAAAGCAAATGATGTGAATAAGCTCACCAACAGGCTGGCGGAAGAGTACAGCACATCCGGGCGTTTGGATAATATCACCCCAAG
TATGAGTTTCCACCCGCGAGTATCTGGAAATCCTTTCTGCGCACACAGTTTACTTGTCTCCGCGTGGATGGGCCCTACCGTACCATT
CAGACACTACATAGCTATTATGGCAGCAGCCAGACACCAAGTGTGTATCTGATAAACATGCACGTGGAAAGAGTTTGTGAGCACTG
AGGTTCAGCGGAATGGCTTAGCGGCTTGGAAATACATACCTCAAAAGCTGAAGAACTCTCAATGAAATCAATAAACTGCTGGCACACA
ACCCCTGGCTTATAAAAAAGGAGCACATACAGAAACTGGTTAGAACAGGAGAGAAATACTGGTCTCTGGCTGAGCTGGTCAACGCTGT
AGTATTGCTGGCTCAATTACCAACGCTCTTTTGCAAGTTTGTATTTCGGGCAAGCGGTATAAACCCAGAAAGAGATCCAGATCCCAAAAT
GGCATTCAGACAGCAGTGGAGAAAACA

Q9925400.Seq

INCAAGCTACTTGTTCCTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGCTGTTAAACCTAGAACTAAAGAATT
 PACACCAAAATGAAAACAAATATTTGTGCTTCAATGAACAACACAGACACATAATTGTTCTTAGCAATATTGTTAAAGGTGAAGGAA
 GGTAAATATCACCTGGTCCGGGTGTTCCAAAGTTAGGCACATCCCAGTGATTCAATCATTTACCTGATACCCAGGCAGTG
 TTCACGGAAATCATTA CTGGTCCGGAAGTACTTTTGTATGAAAACCATGTTGCAATCTTCTCTGTTACCCAAATCTGGAGGTTTG
 TGTCCAGTAGAGTGGCAAGCTGGCATTTTGCTTCTATGTTTGGCTCTTCAGCACACCCAGAACTTAGAAGAAAGATTAAAGCAGTAGAAG
 GTGGTAGTGATTCTGCAGTAGTACCAAGAACCAATGCACCTTTTCAAAATAACAGCACCCAGCTTGGGGGTATTGGGTAAGTGATAAT
 TACTGGGGTTGACTAATAATTTTCGTGATTATTCCTTGCCCTTTTAAACCTCATTAATGGGAAGTAACCAAAATTTGTCTTG
 TTTTCTTTTGGCCCCAGGAGTTGTGGCGTTCTTGGGCCAAATTATATTAAANGCAAGATGTCTTGCATAGACTGATGGATCAC
 ATCA

Q9925401.Seq

AAACCCCTTTTGANTATCAANCTACTTGTCTCTTTTGCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGGCTCTCAATC
 ACCTCAGCACACATTTACCCCTCTCCTACTCTGTCACTCTTGTATCTCTTAGGTGGCAATGGCGACTGGGACAGGTGTGTTC
 CACCGATTCTTCTACTCCAAATCCTTCGTCAAAACACAGCTTTGAGATTGTTGCCATGGCATGTATCAATCTCGCTTCCAAAATTGAA
 GAAGCTCCAGACGAAATTAGAGATGTGATAAATGTTTTCATCACTTGGCTCAGATAAGAGCAAAAAGGACCCCAAGCCCTGATA
 CTTGATCAGAGCTACATAAAATACCAAAAACCATGTAAATCAAAGCTGAGAGGAGGATACTGAAGGAGTTGGGCTTTTGTGCCATGTG
 AAGCAACCCACACAAGATCATTTGTTATGTATCTGCAAGTTTGTAGAAATGTGAGCGCAATCAGACCCCTTGTTCAAAACAGCCTGGAATTAC
 ATGAACGATTGCTTACGGACCAATGTATTGTGAGATTGTGAGGAGCAAAACCATTTGCCCTGTGCGTGTATTTATCTTGTGCGCAGAGCT
 TTGCAGTTACCTTGCCAAATAGACCTCACTGGTCTTTTACTTTTGGAGCTACTGAAGAAAACATTCAAGACATTNTGCATACCCACT
 TTAAGGCTGTCAACGAGAAAAA

09925402.Seq

Page 1

Q9925403..Seq

TTGATANCCCTTTTGANAACCAANCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGATACCG
TACAAATATACTGTGGGATAGAAGGAGCCCGGCTGCGTAATTACAGCGGACTGACTGGCAACGTTAATTTCTATAAACCCCTGCGAA
CTACTATCTCCTGTCAAGCTCTTTAAAGCCCGTCCGTGGCTGTGTATAGACTCTCGCCCGGATTAAACCCCGTGTCCCTGTGGGC
TTCCGTATTCGATTCAACTGGGGTCCCCACCCCTACTAGAGCGGCCGACTTGTGGTTTTTGACGCCGTTTCATTGGCTCTTGG
TTCCCTCCCGACGGCAATCCCGGTGTCTGGCTTCTCTAGGCCGCGGTCTTTTCCGACAGCGCATGGATGAAAAAGCGTTACCCA
AGGAGTTGGATGAGTGGATCGAGCAGCTGAACGAGTGCACAACTGACTGAGGGCCAGGTCAAGAGTCTGTGCGAGAAAGGCAAAAG
AAATCTTAACAAAAGAAATCCAACGTCCAAGGAAGTGGGTGCCGTACAGTATGTGGAGATGTACACGGCCAATTTACAGATCTT
ATGGAACTGTTCCCAATTGGAGGCAATCGCCCGATACCCCAATATTGTTTATGGGANACTACCTTGACCGAGGATNTTACTCCGTT
GAAACTGTACGCTGCTTTTTCACCT

TC2270" E450T660

Q9925404 . Seq

ANCCCTTTTGGANATCCANNCTACTTGTCTCTTTTGCAGGATCCCATCGATTTCGAATTTCGTTCGACCCACGCGTCCGGTTACTAGAGG
AGGAGATTCCCGCCGGGAAGAAAGCTCTGATCGAGAGTTACCAACAACCTGACCCGGGTAGCCGACTACTGCGAGTCCAACTATATCC
AGGCTCCAGATAAGAGGAAGCATTAGAAGAAACAAAGCGTACAACTCAGTCTCTGGCAAGTGTTCCTATCAGATAAATGCAC
TGGCCAAACAATGTGCTCCAGCTATTGGATATTTCAGGCTCCAGCTGCGGAGAAATGGAGTCTCCATCAACCATATCTCCAGACTG
TGGATATTCAATAAGAAAGGTGGCTCGCAGAGAGATTGGTATCTTAACCAACAATAAGAACACGGCAAGGAGTCACAAATCATTTG
CTCCCGCTAACATAGAGCGCCCGTCAGGTACATTGAAACCCGTAGACTACACGGTGTGGATGACGTAGGCCATGGAGTAAAGC
ATGGAGGCAATCAGGCCGCAAGAACAGGCACTTTGACTAGGACCAATCCTTCCACGCAGAACCTCCAGCCCCCAATGCCTAGCC
CGAGGAACTTTGGGGCGAAACACCCCATACAAAAACCTGGAACTGTGAAGCCTTCCGACTGTTCGAAATGATTACATGACGAGCCC
AGCTAGACTTGGCAGCCAACACAGT

Q9925405.Seq

FGANTATCCATTCTACTTGTTCCTTTTTCAGGATCCCATCGATTGGAATTCGTGACCCACGCGTCCGGAAGAGGTTTGTAGTGAAG
 CTGACTGCAGGTTTGCCTTGAGAAAATGTCGCTACGAGTCACCAAGAACATGCTGGCAAAATGCAGAAAACAATGTGAAAACCACTT
 TGGCTGGAAAAGAGGTTGTGCTACCAAAACAGGTTGAGACCTCGTACAGCCTTGGGAGACATTTGAAAACAAGGCAGAGGTGAAAAG
 TGCCAAACAAAAAGGAATTAAAGCCAGCAGTAAAGCTGCCAAGAGGCAAAACCTGTTGACAAAATGTTGGAGCCTCTTAAAAGTGA
 TAGAAAGAGAAATGTTTGCCCTAAACCTGCTCAGGTTGAACCCAGCTCAACAGCCCAATGGAAAACATCTGGTTGCCCTCCCTGATGAG
 CTCTGCCAGGCTTTCTCTGATGCTCATTCACTACGTTAAAGATGTTGATGCTGATGATGGCAACCCCAATGCTGTGCAGTGAATAT
 GTCAAGGACATTTATGCTTACCTGAGGAGCCTTGAGGATGCACAAGCAGTCAGACAAAACCTTCAATGGACAGGAAGTCACAGGC
 AACATGCGTGCCATTTTGATTGACTGGCTGGTCCAGGTGCAAAATGAAAATTCCTGCTACTGCAGGAGACAATGTTTCATGACTGTTGGC
 ATTAATTGACCCGCTT

Q9925406.Seq

TTGATACCCCTTTTGA AAAANCNAGCTACTTGTCTCTTTTTCAGGATCCCATCGATTGGAATTTCGACCCACGCGTCCGAATATT
TATCCCCAGTGTTCACCTTTCCTTGTTCGGGGCAATAAGGCCCTTGGGGCAAGACCGTTTCAGTTGACATCTCCCTTACTCCTTC
CCAGCAAAGTGACAGTGTCTGTAAATATGCTGCTACCCCTCCCTTTTGTGCACTTTATAGGTCAAAATGGCCACCAGATACGC
AGCATGCTATGAACACCCGAGTATCTTTCACACCACTACAGCTGGAATTCAGAGTCGCTTAGACTGCACACAATAATTGAGCTGAGT
CTGTCACTCTCGGCACCACTGTACACAGTTGTTTGGTAATTACGCAAGTGTGCTTAAGGGATGAGATTTATGTTGATGTTGTTGAC
TAATCCCTCATTAATGAACCTTCCTTCTTGACACTGTTTGACAAACATTGGCTTCTCCAGCTGTTCTGGAATGACTACAGCTCCCAGCA
TCCCAGAGAGCATGTTGGAGTGTGTTTTCACACAGTTAGGTGATAAAGGTTGTCTAAAAAATGTTACGAAGTTTACCTTTTTT
TTTTAAAAATTTTATTTTGAACGTGGAATATGATAAATACCGGGTATCTATTACTCCGTATGTATATTATCCAGTATTTAGTGCA
GAGAAAACGAAATTTGCTCTCTGACTT

22725	22726	22727	22728	22729	22730	22731	22732	22733	22734	22735	22736	22737	22738	22739	22740	22741	22742	22743	22744	22745	22746	22747	22748	22749	22750	22751	22752	22753	22754	22755	22756	22757	22758	22759	22760	22761	22762	22763	22764	22765	22766	22767	22768	22769	22770	22771	22772	22773	22774	22775	22776	22777	22778	22779	22780	22781	22782	22783	22784	22785	22786	22787	22788	22789	22790	22791	22792	22793	22794	22795	22796	22797	22798	22799	22800
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

09925407.Seq

Q9925407.1.seq

ANNNCCNTTTTGATATCCANTCTACTTGTCTTTTTCAGGATCCCATCGATTGCAATTCTGTCGACCCACGCGTCCGCCCCCGGAAC
AGGAGTCAGGGAGAGCAGGCTGAGTCTGTCCAGTTGGGTGCAATCACTTATGGTCTCTGCGAGTCCCCAGTGGCCCATGGTTGCTA
AATCCAGTACCGGAGTTACACTGTCCCATCATGCATTTCTCTATCCCTGAGACGGAGTCTCGCAGTTCTGAGAGTGGAGCCCCAGTA
TTTGGCCTACAACATCCATGTGAATGGAGTCTGCACGTCTGTGTGCGCTACAGCCAACTCCTGGGCTTACACGAAACAGCTGAAGAA
GGAATATGGGAAACAACGTTGTCCCTGCATTTCTCCAAAAAAGCTTTTCACTCCAGCCAGAGAAAGTGGAGCAGAGAAAGGGAGCA
GCTGGAGAAGTATATGCAGCAGGTGCGGCAAGATCCGGTATTGGGAGCCAGTGAACAATTCACACAGTTCTTGGCCCATTTCCCAGCA
GGAGACCATCTGATCCCCACAGAGGAGGTACAACCTGGAGATCTTCTTTCTAATGGACAGAAGGTGAAGTGACCATTCTTAACCTC
AGACCAGACGAGGATGTGCTTGAGGCTGTGACCAGCAAACTAGATCTTNCAGAGGATCTGATTTGGCTACTTTTAGCCTCTACCTCA
TTAAGGACACAAGTGACGGCTTCAT

Q9925408.Seq

ANANCCNTTTTGGATA TNCAANCTACTTGTTC TTTTTCAGGATCCCATCGATTTCGAATTCGTCGACCCACGCGTCCGAAGGTCGGT
 GACGCTTGAGCTATACTTCCCGCTATCGCTTATTTTACGGAACGGGACTGTCTGAATGAACCGCTTTACAGTTGTTAAGAAGCA
 GAAGCACGCAATTTTAAATGTATAAGAAAACAAGATTAAAAACCTAACATGGGGCATTTTGGACAAACCGAAAACCGAGAAACAC
 AATGCACACGGGGCAGGCAATGGCGTTCGTTATGGA CTACAGCAGCATGCAGGGCTGGCGAGTGGAGATGGAGACGCTCACACGGCT
 GTTGTGGGATCCCTCGCGGCTTGGATGACTGGTCTTTCGCGGTTTACGATGGGCACCGAGGATCGCGTGTGCTAACTATTGC
 TCCTCCCACTTACTAGAGCATAATCACAGACAATGAAGATTTTCAGGGCAACAGAAACACCCGGATCCGCCCTGGAGCCCAACCATAGAA
 AACGTTAAAAGCGGCATTAGAACTGGTTTTTTAAAAATCGACGAAGTACATGCGCAACTTGGCCGATTACGAAACGGCATGGATAG
 AAGCGGTTCCACCGCAGTGGCAGTCTTGCTTTCCCGGNCA CGTGTATTTTAACTGCGGGGATTNCCCGGCTGTTTTGTATAGG
 AGTGGACAAAGTTTTTGTTC TCCCC

Q9925409.Seq

AAANCCCTTTTGANAANCAAGCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGAGTGACACT
 TACCCCTTTGTCTTATACATCAGATTGTATAGGCTACGGATTTCGTGCCCTGTCTTAAATAGATA CATGGCTGGCCATGTAAATTGTG
 TCTCTGTTAGGGCAGTGCCCGTAGTTCGTTTGTCTTAACCCCTTCTCAGACATGGCTACGCTCGCTGGCAAGACATTTCAGAACGATG
 CGCCATTTCGGTCAATTAAATGAACCCCTTTTAAATCTGAGGCCAATAAGGAAATTTCTGGAGATGAAGAACAAAGTTCCCTGGCACGAC
 GATTCAAGGCTGACCCCTTTTCCCCCAACCACTTAACCTTTTGTGTTGGTCTCACTGTGTTGCCACTTATTTGCACTTGCCCCACC
 CATTCAACTATATAATTTACCTATGAGTTATTAACTCCACCCCACTGACCTGTGCAATTCAACTCTGTCTGTGTGACGTGGGTTTCT
 CGCTGGTTCCTCAGCTCCTGGAACAGGCTCTAGTGATTGAGGAGCAAGCTCCGGAGAGCAGCCTATCTCAACATGACCCCAAGAACCT
 ACCACCGGCATGGCCCTTAACGCTCGCTTCTCCGAGTTGGAATGTCTCGCAGAGAGTCAACCAGCACCTCTCCAAAGGAGTCCATTGC
 AGGGAACAAGCCCAATGC

TOE20" E460T660

Q9925410.Seq

ANATNCAAGCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGACCCACGCGTCCGCTCGGGCATAGAGCACACGCAG
AACAAATTGCACAACCGAGCTGAGCCCCAGGCAAGGTAAGGTATGGCTATACACCCCGTCTGTCCGGCTAAAAACCATGGCTGGT
GGCTCAGGTAGATAGTGAATGTACCCCTGGTCTCATCTGGTTAAACAGAGAAGCCAAAAGGTTCCAGATCCCTGGAAAACATGCCAC
AAGGCATAGCCCCCAGCAGGAAGAAGAGAACACAATATTTAAGGCCCTGGGCTGTTGAGACAGGCAATAACAGAGAAGGAGCTGATGA
ACCAGACCCAGCCCAAGTGAAGGCCCGAGCTGCGCTGTGCACCTAAACAAGAGCAGAGAAATTTAACTTATGTATGATGGGACCAAAGA
GGTTCCCTATGAACCCAGTCAAAATCTACGAGGTCTGCGACATCCCCAGTCTCAAGGATCTATTATCAACCCAGGTTCCACCCGATC
TATACCATGGGATGATGATGAGTTTGAAGAAGACGAGCTAAATAAGTCTCAGAACCATGTACCAATCAGTGAGCCCTTTAACTGTCT
GAATATTACGCAGACTCACCCATGGGATCATCTAGCACAGGCAGCTTGCAACCCCTGAGCAAAACATGGCAAAGACTTGAGCCCTNANG
AAATGGGAAGTGGCC

Q9925411.Seq

ANATCCAANCTACTTGTCTTTTTCAGGATCCCATCGATTGGAATTTCGTGACCCACGCGTCCGGAATTGTGTTTCTTCCCTCCGC
TCTATTCCCATCTCATGGCTGCCGGCAAGCAACAATCCCATGATGCACCGTGAGACCTTCACTCACAATTGAGCCGTAGCAGAAAT
TAGGAGAACTTCAATGAGAAGAAGTTCCCTAATCTTGTGCTGACGTTGGTTGGACTGTGAAGAACTGGATGTTGGATGGAAATGCT
GAGCAACCAATTGATTCTTTGTCTCCTTATCTGGATGGACTGGATGAAGAAATGGAGCACAGAGACCGGATACGGATCTCTAGTGA
CATCATGGATCCCCAGTTACTATGTTTCCAGTGGTCACTTAGAAAGGATAAACACAAATCCAGTAGAACATCAGCCCACAAATAAA
TGCTATTCAGGATGAAAGACAGGGGAAATGCACTGAGCTGCAAAATCAAACTTGGCCTCATTTGGGAGAACAGGAGCAACGCTGGTGT
TACTGGATTTAGACTTATTCCTATGGAAACAGAAAGGAAAGAGAAATAAAGTAACAGGTTGGCCGAAAGACCAAAATGAATCTGAA
GAATTACAAACAAAGAGAAGCTAAAATGGACAATGATATGAAGAAAGCTTTACCGATAAAAGCTAAAGAAACTGCAATTTTCTCATTT
AATCCCTGAAA

4. Q9925412. Seq

Q9925412. Seq

CNNTTTGAAACCACTTCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGCAAGTTTGAGCTGT
GCTATGCCGAGTCTCTGTCAATCTGTGTGCCCAATGCTCGGATACCTGGCAGCTGGTGGCTATGTCTGGCAGCGGTGCTGCTCAT
GCGCTGGATCACTTGCCGCTTCTTCATATCCCCGGGTGCGCTCTATTTTCCCGCAGCAATGCCAGCTCAGCGGGGGAGACTGAT
GAGCAAGAAGAGCTGTCCGCTTATGATGGGGCCCTGGGAGCGCTGGCATTACCTTGCCGTTTGGGCGAGTTTGTGATGTGCA
TAAGGCGCAGCAAGCATTA TGCCCGGGGCTCGTACAGTTT TTTTGAGGGAAGACGCCCTCTCGAGCTTATGTAACTGGCGACTT
CACGGAAGAGGTCTTGTAGATGACGTGACAGAGCTCTCGCCTTTTGACAGATGCTGCACCTCCAGAACTGGCTTCCCTTCTATCAGCA
GAATTATATCATCCTAGGCAAGTTGACCGGAAGATTTTATGATGAAGTGGAACCCCAACAAAGCTCTAGAAGATGCCCTTAAAAGT
AATTGATATTGGCTTAAAAGTTAAAGGAGGAGAGAGGAGGAGAAACAAGCAATTTCACCCCTGTAATTCTGAATGGAGCTCTGATA
GTAAAAAGAGTTTGGTGT

4243 24607660

Q9925414.Seq

GGAAATCCANNCTCTGTNCTTTTTCAGGATCCCATCGATTTCGAATTTCGACCCACGCGTCCGCCGGAAGTGAAGTCAAGTCT
TTAGCAGCTATGGCAGCGCCCGTTTCGGAATCACGTGTGGGTAGGAACCGAGACTGGAATATCTCAAAGGCATTAATCTTCAAAAAA
ACAAGCTTTTAAATTACACAGATGTGGCTTCCATAACTAAGGGCCAGGAGTTTACTGCCATGTCTGGGAGATCCACAAGAGTCTGA
GGTTCTTCTCGGTTGTGGAGATGGCACAGTCAGAGTTTTCAGCAGCGAAAAATCCAAATTCACCTGAAATTCATGAGTGCAGAGGAGG
GGAAGGACATTTAAAGGACTTGCTGTTATGGATAATGCTCTTGTAAACATGCCGTGGAGTCTGGACTCTTAAAAAGTGTGGAAGGCTGG
GGACTCTGATAATCTAGAGGTGCAGGTGGAGCTGGGATTGAGAAGATGCCGACAATGTGAAACTCAGCATCAGCGATTTCGGAACAG
GAGGCAAGAGACTGACCTAAAAATCTGGGATTTGGAGAGACCTGAGGCCCCCTTTTAAAGCTAAAAATGTAAGGAAATGATTGGC
TGGATCTCCATGTGCCTGTCTGGATAANGGATCTTGGATTTCCTTNCAGGGTCAGAAAAAATTTGTAACCTGCACAAGTCACCAACAGG
TCAGAGTT

Q9925415.Seq

AAATTCAAGCTACTTGTCTTTTGCAGGATCCCATCGATTGGAATTCGTGACCCACGCGTCCGCTCGCAGCTACTCATTTTCTTC
 AGACTGGATATGATCTTGTAAAGCTGCTGCTGCTTCCCTCCAGCGGACAAACCTCATGGCTTCTCTGGTTCTGCAGAGAGACA
 ACACACTACAAAGCTTATTACAGGACAGAACACCTAGTTCTTCCAGACGGAGGACCCCTGACCTCTTTGGCCCTGTTTCCATCAA
 CCTGTGGTCTCTGTTATTACAGCAAGACCCACTCCCCGGGAGTATACAGTCTGCATACGATCCAACTTCAGGAATGTTTCAGCTAT
 GGAGCAATGATGTTCTTCCCAACTCAGGATCGGTTCCCATGCTGTGACATTTGGTGTCCCCAAAGTGCAGTATCCTGGCCACATGC
 AAACCTGTTGCCCTCTCATGAGCTCCCATTAACCCACAGCGGATCCTACTGCTTATTCAATTGATTTGTCTCCAGTCAAAGTATTGG
 CTCCACAAAGTGCAAGCAATGCTGCCTACCATTTCCCAAGACCCCAAGTGCAGTGGCTCAAGACTTCTCAAGCTTTTATGCAAGGGTCAG
 CCACCTTGACCCCAAAGACACTTGAGTTCAACGCACATTGATGAACAGACATGGTGGAGCCTGCACAGACAAAGTNCAAACAAATTTT
 CCTTAN

Q9925416.Seq

AANTCAAGCTCTTGTTCTTTTGCAGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGGAGTGTTCGTGATCCTGGGCCTTG
GCGGGTTTAGGTGTCTTGTCTTTAGATTTTATCAGTCGCTTTTAAACGTTCTTTTCCCGCGGATGGCTACTCGTCGGGCTGCAATTTC
CCCGTGAAGCCGATAATATCCTTGGGGCGCAATGCGGTCCAAAGTTCAATCCATGGCAAAGAGCTGCTTTGGGTGAAATTTGGCA
ACAAAGTGACCGTGCCGAGGAAACCCACATGCAGTCAAGCAGCCTTCCAAATGTTGTGGCAAAGCCGTCAAAGACTGTGGCAACTAAAG
TTGCAAAATGTTAAGCCAAAGCCTGTACTTGTGAACCAACAGTAGCTGAAGCTCACACCAAAGTGCCCTTCCCCTGTGCCAATGGATG
TGTCTATGAAAGAGGAGAGCTGTGCCAGGCAATTCTGTAGTCTTTGACCAAGTGTGAAGACATTTGATGCAGATGATGGTGGCAACC
CTCAATTGTGCAGTGACTATGTGATGGACATCTATAACTACCTAAAGCACTGGAAGTCCAAACAGTCTGTACGCCCAATGCTTTCTGG
AAGGAAAAGAGATTAAATGAGCGTATGANGGCTATCCTAGTTGACTGGCTTGTTCAGTGCAATTCCTAGGTTTCAGCTTCTTCANGAGA
CT

702340 24607660

Q9925417.Seq

AATTCAANCCCTTGTTCTTTTGCAGGATCCCATCGATTTCGAATTCGTCCGACCCACGCGTCCGTGATAAGAGATATTTCTGAAATC
AAATGAATATAAAGCTGCCCCCATTGATACAGATTTGCTTTTTTTTGCAACGAGCTGTGCCATGGCTGAAAGAGCAGAGTCCTTTTAG
AAGGCTGTGTGTATGTGACAGTTAGGAGACTGGCATGGCATTGGCTCTTTGGTAGCGGATGACTAAGTGGTGTGCATGACCCGTATTC
TAGAGTGTAAATAGGAGAGGTAAAGTAATGTATGCAAGAACAGTGCAACATAAATAGTGTCTTCACACACTGATCCAAAACCTGGATAG
GTTGGGAAAACCTAGAGTACTTAATAAACATATTTGTCTCTAAATAAAAAAAGGGCGGCCCAAGGCCCTCTCGAGCC
TCTAGAACTATAGTGAGTCGTATTACGTAGATCCAGACATGATAAGATACATTTGATGAGTTTGGACAAACCCACAACCTAGAATGCAGT
GAAAAAATGCTTTATTTGTGAAATTTGTGATGCTATTGCTTTTATTGTAAACCATTAAGCTGCAATAAACAAAGTTAACCAACAACA
ATTGCATTCAATTTATGTTTCAGGTTTCAGGGGAGGTGTGGGAGGTTTTTTTAAATTCGGCGGCGCCCCCGGCCCAATGCATTGGGC
CC

402240 44604660

Q9925418.Seq

AATCCAANCTCTTGTCTTTTGCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGGTCTTTTGCTTCCACACTTCTTCC
TGTTACACTTAGGGGCAGATTATCAAGGCAATTTTCTGGTGGTATGTGCCATTGGGTAATCTTAAACAGAAAATTCCTTTTAA
AAATAAGGGCCACCCCTGGGATCATACAATTACCGGTGCACAAACAAACCATGTTAGATCACATGAGCCCAATTAAACAGACA
GAGTTGTGTCCTTTGCTTCCACACTTCTTCTGTTACACTTAGGGCAGATTTATCAAGGTCGAATTCGAGGGTTAAAAAACCC
TCAAAATTCGACCCCTCAAAGTAAAAATCTTTCGAATTTGAATATCGAATTAGAAGGATTTTAGCGGCAAAAGCTTAGATCGTTGAACGA
TTTTAAGCGATTGATCGAAGGATTTTATTCGACCAAAATACTTAGAAAAGGTTAACTTGGAATTCAGTTGCGTTAATCTGGCG
AAGTATGAAGTCGAAGTTTCTTTTGGGAAACAGTACTTTGATTATCAAAATGGTCGAAAAATACAAAAAATAAAAAAAGG
GCGGCCGCAAGGCCTNTCGAGCCTNTAANAACATAAGTGAGTCGTATTACCGTANATCCAGACATGATAAGATACATTGATGAAGT
TTGGG

TCCTTCTGCTGAAAT

Q9925419.Seq

TGGAATCCATGCTACTTGTTCCTTTTTCAGGATCCCATCGATTTCGAATTTCGTCGACCCACGCGTCCGCGGATGAAGCTAATGACA
GCTTTGGTAAATGTGGCACTTAAATCTCAGCATTAACATGGACAATACGCAAAAGACAGTATGAGGCAGAAAGAAAACAAGATGATTGGG
AAACGAGCCCAATGACAGGCTGGAGCTTTTATTACAGAAACGAAAGGAGCTGCAAGAAAATCAGGATGAGATAGAAAATATGATGAAT
GCGATATTTAAAGGTGTTTGTGTTTTCACAGATACAGAGATGCTATTGCTGAAATTCGAGCTATTTCATAGAGGAGATAGGTGTATGG
ATGAAAATGTATAGTGATGCTTCCCTTAATGACAGCTATTGAAATATGTAGGTGGACTATGCAATGATAAGCAAGGAGAAGTTTCGG
CTGAAATGCCCTTACAGCTTTACAGGACTGTATTACAACCGTGAGCTCAATACAAAACCTTGAGCTGTTTCAAGTCGATTCAAGGAC
CGTATTGTGCCATGACTCTTGACAAAGGAGTATGATGTTGCACTTCAAGCAATAAAGCTTCTTACTCTTGTGTTTACAAAGCAGTGAC
GAAGTTCTGACTGCTGAAATGTTGAAAATGTTTATCATCTGCTTACTCTGCTCACCCGACCTGTGGCTGTTGTCAGCTGGAGAATT
TCCT

Q9925420.Seq

TNTGATATCCATTCCCTTGNCCCTTTTGCAGGATCCCATCGATTTCGAATTCGTCCGACCCACGCCGTCCCGTCCCTGATTGTAAGAAAA
 GTAAACTAACAAAGCTCTCAGGACACAAAATTTTGATATAAAAGAAGCTGAAAGCATACAAAGTTCTGAGTCTCAGGAAACTGAGGATT
 GCTCTCAGCCTTCTACATCTGGCAGTATTGCTTTCATGCAGTCAAGAGGTGACCAAGGAAGATACAAGTGAAGAAAGTATGGAGTGTA
 GTCTTCCACTTACCAGCATCGAGCCATGTGTCAATATGTCAGACTCGCCCCAAGAAATGGCTGCATTGTCATGGCAGAAACAGGTCATC
 TGATGGCATGCTATACCTGTGCAAAAAGCTCAAGAAAGAGGAACAAACCTTGCCCTGTGTAGAGAGCCCAATCCAGATGATTGTGC
 TAACTTACTTTAGCTAAAAGAACTTTCATGTGAAAATGTCTACACTTAGAATAATTAAAGCACTATGAAGACTTATTAAATAATT
 AAGAAAAATGTCTACATACATATTTTAACTTTTTCACATGGTACAAAATCCAGAAATTGAAGGAAAAGGGCACCCAGGACCCAA
 TCTAGCGGATTGTGCACTATTTTCCCATATGTAAGACTGCAGTTTCCAGCTAAATATGGAAGCTGATGGTATTAAATGTTTAGTGCA
 AGTAG

Q9925421.Seq

AATTCAAGCTCTTGTCTTTTTCAGGATCCCATCGAATTCGAATTTCGACCCACGCGTCCGCTGCCAGTAGCATATGCTTGTCTC
 AAAGATTAAAGCCATGCACGTGTAAAGTACGCACGGCCGGTACAGTGAACCTGCCAATGGCTCATTAATCAGTTATGGTTCCCTTTGAT
 CGTCCATCTGTACTTGGATAAAGTGTGGTAAATTTAGAGCTAATACATGCCGACGCGCTGACCCCGAGGGATCGTGCAATTAT
 CAGACCAAAACCAATCCGGGGCCCCCGCCCCGGCTTTGGTGACTNTAGATAACCTCGGGCCGATCGCACGTCCTCCCGTGACCG
 CGACGATACATTCGGATGTCTGCCCTATCAACTTTTCGATGGTACTTTCTGGCCCTACCATGGTGACCAACGCGTAACGGGGAATCAGG
 GTTCGATTCCGGAGAGGGAGCCTGAGAAAACGGCTACCATGGTCTCGCGCATGAAGAGAGACAACAGCCAGGCTGAATCCAGCGA
 GGTGTGAGCATCACCAAGACGAAAAGAAAACCGCACGTCAAGAGATGTGTGACTCCGCCCTTGGATGTGTGCGGAGGGGCTT
 TTACAAAAGTTAACTGGAAATGACTNTTGGGAGTTTAAAGGGGGGGGACTGGGATCATACCACTGGTTTGGGGGATANNTGATAA
 AANAAAAGNT

46640 4604660

Q9925422.Seq

AATTCAAGCTACTTGTTCTTTTTCAGGATCCCATCGAATTCGAATTCGTCCGACCCACGCGTCCGGAATCCCCTGTGCTGCTATTGGCT
GAGCCCTGCAGGTATTCAACAGCAGCAGTGGGTGTGGGAGAGAGACAACAGCAAGTTTGGTTTGTGCTCCATTCTCACCCCTGGG
AACCTACAGACGTGAAACAGCCGAGATGGGACACAGGGCCACAGATTAGTCACTTATTTCCCTATGTGCAGTTCTCGCAACAGTTGC
TGCCATTACTGTAGACACACCAACCAAAAATTTGAAGCCGCTAGAGGGAACAAACGCAACATTGCCCTGCACCTACCAAAACCACTGC
AGATAAACTGGCAGCATTGCTGGCTGGAATAAATTTGAGACCCAGGATGAGGTTATCACTACTATTAGGTTCTGAAAACCTCCTA
TGGAGACGCTTACAATGGACGGGTGGCGTTTACTGGTGACCCGGGTGCTAATAACGTTGGCATCACCATTAATGCA
GGACAACGGCACGTACCGAGTGTGAAGTCAATACCCAAAGATCGCAAGGAACCCCAATTGCCAAAATGGATCTTATTGTATTAGT
GGCCCCCTACCAACCCATTGTGGGCAATTTGAAGGGACCTNTGAAATTTGGGCAANAATTAACCTGAAATGCACCTCCGNGGAGGGA
TCTCCAT

Q9925423.Seq

AAATTCAAGCTCTTGTCTTTTGCAGGATCCCTCGATTTCGAATTTCGTGACCCACCGTCCGGCGAGCGCGGTATCATCATCATCA
 TGCCAGGGACTACCAAGCCGAGAAAGAGAAATGCAAGACCTTTCTTCAGGAGTTTATATAAGGATGATGAATTTGGAAGAAAACT
 TCAAGTATGGCGTCCAGCTGGCTAATATTGCTCACAGAGAGCAGGTTGCACCTGTGCATTGACCTGGATGACTTGGCTGAGGAGGACC
 CAGAGTTGGTGGATGCCATCTGTGAAAATACTCGCAGGTACACAAACCTCTTTGCTGATGCTTTCAGGAGCTGCTGCCCTCAGTATA
 AAGAGCGAGAGGTAGTGCAATAAGATGCTTTGGATGTGTATATTGAAACACCGCTTAATGATGGAGCAGAGGGGAGAGATCCCAATG
 AGATGCCAGATCCTCACAAACCAGTATCCACAGAGCTTATGCGCAGATTGAACTATACCTTCAAAGCTCCAAAGTAGCTCAAAGGCCC
 GTGTAGTACGAGATGTCAAAGCGGATTTCGATTGGCAAGTTGGTTACAGTTCGAGGCATCGTCACGAGGGTCACAGAAAGTCAAGCCTA
 TGATGGTAGTGGCCCTTACACTTGTGACCAGTGCAGGTCGAGAGACCTACCAACCGATTCAATCTCCGACTTTTCATGCGCGCTTATAAT
 GG

T06240" 2460T.660

Q9925424.Seq

AAATCCAANCTNCTTGTTCTTTTTCAGGATCCCATCGATTCGAATTTCGTGACCCACGCGTCCGCCCGGGGATCTGAGTCAGGTGA
TGGGGGCCGTATGGGGCCGGAGAAATGGCGGGGTGAAGATATCGATATTCAGGCAAAATTCGGCTTATCGTTATCCCCCAAATCTG
GAAACTACTTTGCCAGTCACTTCTTTATGGGTGGAGAGAAGTTTGAGACCCCAACCCAGAAAGTTATCTTTTGGGAGAACAGTG
ACCTGAACCTCCTCGGGAACCGGCCCGTGCAGTTTCTTACCTAACTCCTGCCCTCATGAACCAAGTGAAGACTCTGCCGAGCCCTGN
TTAATAATACGCAAGGACTCCCTGCGGCTGNNNAATTAAANAANGNACNTNCCCTTTGGANGNAGGANGAANTCCNTNNCT
NGCCGGCNGAAATTTANTTTNCANNCCANNCTNANTGGCNNTCACNTGTATTGGCAAGCTANTGAGGAGTCTNTGGGGTGTCT
GCTGTGTACAAATCCCGCAACCCCTTTCCTGCAGTCACAGACCGTGTATTACAAAGCGCGGCTAAGCCAACACTTTTNTNTNACCTC
TTTAAANAATGACTTCTTCCGCTTGAAAAAANAANANCTGAACCTTTGATCTGGATAAANGGATGTTCCTTCTTGTTCAGGCCA
GGGG

Test 40" 2460T660

Q9925425.Seq

AAATNCAAGCTCTTGTCTTTTGCAGGATCCCATCGATTTCGAATTCGACCCACGCCGTCCGGTCTCAGTCTCATCTCGCGAGAC
TTGTGAGGAAACTGAGAGAGCGCGCGGAGCTGAGGAGGTGGAATTTAAACAGGGATCCGAAGTCCGGGCTGTGTATGTTG
AAATAATGTTTACAGATCTAGCTATTTCTGGGGGCTGGCCCTTTACAGCCCTTCTGAGGTCCAGTCCACATTTACACGAGTGT
CCAAACACACAGTACTCCAACTGCTCAAGCATAATCCGATTGGGAGAACGACCTTTACTCGGCAGTATGCACATATATATGCCACTC
GCCTGGAAACAAATGCGCCCGCTTTTGATAAAGAGCGCAAGCAGCGATGGGTGATGATATAGTGTGCGGAAGCTGTGTGAGCTGC
AGGGGGGAGAGAGAGTGTGTGTGATAGGAACCCCTATTTAAATCCATGGAACTCCAACCTTCAATCTGCGGGAGATAAGTGAAGAGC
ACAACTTCTGCCCCAGCTGCAAGGCCAAAAATATATCAGTGAATCAGATGAGTTAAATATTGGAGGATGAGCTGCAGAGAAATCAAGC
TCGAGGGGGCTACAGATGTGCAACAGCTTGTGACTGGTGCAGTTCTGGCAGTTCTTGTGCAAAANAGGATGCTGGAAAGTTGNGGG

[illegible]

[illegible]

09925439.seq

Q9925433.5seq
 4AATTCAAGCTCTGTCTTTTGCAGGATCCCATCGATTCGAAATTCGTGCAGCCACCGCTCCGCAAGAAATGTGAGGCTAAGGAAAT
 CTCTGTGATATTTGACGATGTCAGCCATTTTCCTAAATGCA CAGCAGTAGGAACAATGTCTATATGTTGCCCTCAGTCAAGGAGT
 ACATCTCCATCTACTTCAAAA CAAAAAGATTTATCGGTTGTCTTTAAAGGCCACATCCAAGAAAGGAGCTAAATAATATTTT
 TACTGTTGTGGCTTGTCAATCCGACAGAGGACTGTATAGCAACTGGTTCACATGGATGGCAGAAATACGACTCTGGAGAAAATTTCAACCA
 TAAACAAGAAATACCTATTCTCTGCACCTGGCATCATGATCTCTGTTATGGATTGGCTTTTCTGCTCAAGGCACATAAACTTTT
 AAGTGGGGGTGTTGAATCGGTGCTCGTGCAGTGGCCTTATGGCTCAGAAAGAGAAGAAATTCCTACCCCGTTTAGGAGCTGCTAT
 TGAACACATTGCTGTTTCTCCCATGGAACTTTCTACTGCAATCTCATACAGATAACAAAATCTCAATCATTGATACCAGTTTAAA
 GGTTCAGGCATAATCCANGGCTTACTTAAAGGAACGTGGTAAGGACTGGCCCTAATTGTAGATCCCGAGAAGCAATGC

406220-24507550

Q9925440.Seq

AAATTCAAGCCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGGTCCGGTCGGCCTGAAGAGATTTTT
CCAAAGAGTTTACTGGATTTCAGTAAAGGCAAAATCCCTTAGAAAGTTGATTCAACAGACATTTTCGACAGTTTGCCAAATTGAAACAGA
GAAGAAAGTATTTTGAAATCTCTCTCCGGTGACAGATATGACAAAGGAATGCTTCAAGTGGCCCTCGGATCCAGT
TGGATTATATCAGTGGAGTTGGCTATTGGCCCAAGAAAGGGATCAGTTATCTCACAGACAAGGGCTCGAATCCCAACCCATCTGGCA
GACTTTACTCAGGTCCAAACAAATTCAGTATTCAGCAGCGAAGACAAAGACAGAAAGGGATGTTGCAGCTGAAAAATTGCTGGTGCC
CCAGAGCCTCTGACTGTTACAGCCCCGTCCCTCACCATCGCTGAGAACATGGCGGATTTGATAGATGGATACTGTCCGCTCGTCAAGT
GGAGCCTCAGAAATCTTTTATCATCAGGCCACAGAAAGAAAGCGGAGAGCTCTACCATCTTTACCAAAGCTGGCCAAACACGAGAAAG
CATGGGGTACGGCCGACGCAGTCTTCGTGTCAGAGACAGACGACTATGCGGAGATTATAGATGAAAGAGGACNCTTCCCC

RefSeq: ENST000002650

Q9925441.Seq

CTTGNATATTCAAGCTACTTGTTCTTTTTCAGGATCCCATCGATTCCGAATTCGTGACCCACGCGTCCGCTTAAATAATGTTATTT
ATTAAAGTGCTTGNCAACANCCNNTTNTATNNCTAACAGNNNANGCAAATTGNAATTNANNNTNNFAACTAAACATGGNTNNNTTATN
NNTATNTNANGGTGGGGTAGTNCCTGTNNANATNTCNNGGNTTTTANGGGAAGTNANGNCANNNNCNANGAGTC

Q9925341.Seq

GNNNNNNNNNTTNAANCCCTTNNTTGAANCCATNTCTTGTTCTTTTTCAGGATCCCTCGATTGGAATTCGTCGACCCACGC
 GTCCGGTTAACACTTACCATCTTCAAGTCCAGGCTTTTAAATTCAGACAATACATTTGCATCTGCTGTAGAATGCTCATTTGGATGAAA
 ACGGGATGCTGGTGCCCATTTGAGTTGGAGCTGCTCTCGCTGGCTTGTTTTAAATTTGCTCATTTGCTTATCTGATTGGCCGAAAGA
 GAAGTCACGCTGGATACCAAAACAATATAATGGCCACTAGCCATACCTGTNCCACTGAGGAGCAACATAGAATTGCAGTGAGCTAATA
 GTGCTGGATAAAGGATTCCCATCAGTGTGAGCACGTTCTCACACAAAACCTACTATTTTAAATGTGAACCTAGCTGACGCTGCATATGTT
 GACTATGCACGTGAAGATCCATGATTAAATTAACGATTTCTTTTATTTTCTAGAAAGTATCCTTTCCCAATGCAGGGGACATAGGTG
 CAAGCACCTTTTAAATAAAGCAAAA CAAGAAATTCATAGATTTTGTGTCAGTTTCTCAGTGTGCTCAGTCCAGTGATCTACTTCCCTACA
 GAATTCTCACTTTTAAAAAGGGAAATGAACGACTATAGTGAAATCCCTTCCGATTTCCCTGCATTACATGACTGGGGGTCAACTGCCTT
 ATAACTTTNTCTCTAAAAACA CAAGCCAAATACCAAGGGTGCAGGGGCATTAACTCCGNAGTACN

[illegible]

Q9925342.Seq

XXXXXXXXXXXX
GNNNNNNNNNTTTTGAANCCCTTNNTTGANANA CNA TCTACTTGTTCTTTTTGCAGGATCCCATCGATT CGAATTCGTGACC
CACGGTCCGGCCATAACAGCCCTTAGGCACCCCGGAGGNN

[illegible]

Q9925343.seq

Q52ZJ345:004

GNNNNNNNNNNTTTAAANCCCCCTTNTTTGAAATNNGTCTACTTGTCTCTTTTTCAGGATCCCATCGATTCGAATTCTGTCGACCC
ACGGTCGCTGATTTGCAATGCTGTTGGACATCTCTGCTCTTTTATCTACAAGTTTAGTGCCCTTTAGTTTTCAGTGGTACATA
AGGACACTTGGGGTTATTTATCAAAGGTCGAAATGCTAGAGGTTTTTTTTTCTTGAAATAAACTCAAAATGCAAAATGGTATCTTATTCT
AAGTAAACACTCAAATGTAAAAATACCTGATCTGTAACTTCGAGTCCAGCAATCTAAAAACATAAAATTGATCGAGTTTGAGCATAAAA
AAAAAGCTTGAATACTTAGTTTTTGGGCAAAACACCCCTGTGAAACAGCTCAAACATTAAGTAGGCTAAACATCTTCAAAATGGATCAAAG
AACTTCTTCATGAGCTCAACAGGTTTTTAGATTGTGATTTTTTCAGATTTTTTAACATACTTTCCAGGTCAAATGAATAATAAATCTTTAATA
TTCAAAGTATTTTTTAAACCTGAAGATGTGAGTTTTTGACCAAAATAACAATGAAAAAACTCAAAATTTTGTAGAAAAACAACCTCAAAACCA
TAAATAAATCTGCCCTCTATATGTAATATTTGCTATAAAATATCAAACTTTTCAGTGAAATACCTAATATACGTACCCATAGGAGCAGTT
TCTCAGCTGTGTGGTCTTGATGCACATGATCTGTAATGTGTTTGACTCCCAACAGTTTGCAGGTATAGGA

Q9925344.Seq

GNNNNNNNNNTTTTNAANCCCTTNTTTGAAATCCATCTACTTGTCTCTTTTGCAGGATCCCATCGATTGGAATTCGTGACCCCA
 CGCGTCCGGCTGATGTGAGAGTGTACCTGACACTAGTCTCTAGAGGTTCAAGCTGCAGAGCCCATGGTCTCTTGGAGGTATCTGTTTGGG
 CTGTGCTGGTTCTCTGCAAGTTTCAATTTGGCCGATCGGCTGTTCTTTGCTTGCAAACTCCGATTCTTTAGCCTCAATCCCACTCAG
 ACTACGATAACGTTGGAACGGCCGTTCTGCAATGTTTAAAGATGCCATTGACGTTTATCTCTTTGCCATTGTGAAAAGGTGCCACAAAC
 ATCCAAGTTGCTGATGCTGCCAAGAAAGGTTATTGCCCTCTAACTACACTGGAACCCAGGGAGGCTTACTGGGACCATACCAAGTTGCC
 AAACCTGACAAATCCAAATGTGAAAACATACAGGCCCTCCAAACATTATGGCTGACCCCAACAAGTACATTGTGAGAGTGGGGGGCGAC
 GTGAACCTGCTTAACGGATCCAAACTTTAAGGGGATCTGCAACCCCTCCACTTCAAAATAACTTACAATAACAGGTTTACATATGATTT
 ACNATTTGGGATGTCGTGGCAATACCAAACTGACTGGTCCCTCCAACTCTCTACAAGTCAACGTCAAAATCTTTCNGCACAATAAACA
 CATGGCCTGGCANAANGAGTGGTGGGATGATTGGTCTCTGACTTTTCATCTCAAGACTTCTGATGTTCTT

Q9925345.Seq

3NNNNNNNNNTTTGAANNCCCTTNTTTGATATNCCGTCTACTTGTCTCTTTTGCAGGATCCCATCGATTGAAATTCGTGACCC
 ACGGTCCGGAAGAACAAAGGCCGCATCTCCCGCTACTTGGCCAAATAAGTGCAACCATCGCGTCTCGCATAGATTGCTTCTCAGAAAT
 CCCACCAAGTGTGTTTGGGACAAGCTGAGGAGCAGGTAGAAAGCGTTTGGCTTCTATGAGACCGGGGAGGTGCCCCGCAAAAA
 CCTGGATGTGATGAAAGAGGCACAGCAGGAGGCCACAGAAAGTTGTATCCNAGGTCAAGCGGAAGTTGAAGAAGGAAAAGAAACGCAA
 GAAGCGGAAAAGAGGCAGCTNGAAGCGCTGGCAGCAGAGGAGGCCATCGCAGAAAGAAAACCAAGAGAATGGAGAGGA
 GGATGAGGAACCGAAGAAAGAAAAGAAAACGCCNTTCTGAGGCAGAGGTCTCTGAGAACGGGATGGAAGAGGAAACGTCGTCCAA
 GAAGAAAAGAAAAACACTTGAGCCAGAGAGGCCCTCAGAAAACCAAAAAGAGAAAAGTCCAAAGTGAGACTGAGAGCTGAA
 ATGGGGGAGATTGTGCCCTGTAGAGACTCTGTGCCCCCCCAGGGCAGAAAACCTCCAGAGAAATCATTTTCATATATTTTTTC
 TTAATGGTGAGCTGTTTGTGCTGANANTNGGGNCCCTTNTGCCCCNAAACCTGTGGATGAATGGAGATT

Q9925346.Seq

3NNNNNNNNNTTGAANCCNNTNTTTGAAATCNATCTACTTGTCTCTTTTGCAGGATCCCATCGATTGGAATTGTCGACCCCA
 CGCGTCCGGTTTCAGATGAAATGGTGTGGCAATCGTTGTTGTGTAATACTCCAAACATTACCCCCACGGGTGCTTGTAGAAACAAT
 CTTCTGCACAAATTGAGGACTGTTCTGTATATCAGCAGTGTAAAGACTTCTGTGTTTCCCTATAAAATACACTAGGGATTATCCAACT
 TGTATGCAAGTCCATTGTAGCATATAAAAGTTCCGTATATAGTACAGTAATCAATTTCAGGAGAGTCTATATACCTCCCCAACCTAC
 ATATGCTTTTACTGCACATTCAGATCAAACTTTGCTTTGGTTTTATTAGACCCCTTTTGTAAATTAACCTTAGCTCATTA
 AAGGACCAATATCTGGGGAGTAATTGCTTAGTATGTTTGCCTTAAGGTGGCCATAGACTCAAAGATCCACTCGTTTGGCGACATCG
 CCAAACGAGCGGATCTTTCCCTGATATGCCACTAAACTGCGTGGCTATATCGGGGGTAATTTCGAGAGTTCGGCCGTATGCCCCGAACG
 ATCGAATTACGATGCGCCCAAGCGGCTCCGACGGGTCCGGTAAATAATCCACCTTNCCGATCGATATCGTGGCCAGATATCGATT
 GGAAGACCCCGTCCGAAGCCCCCATACACNCGCAGATAANCTGTCAAAATCGATCCAAACGAC

Q9925347.Seq

;NNNNNNNNNTTTGAAANCCCTTNTTTTGAAATCCANTCTACTTGTCTCTTTTGCAGGATCCCATCGATTTCGAATTCGTCGACC
 JACGCGTCCGGTCTCAGCTCCGCTCCCGGCAACTTCCGATGGCATCAACATCCCTGGGGGCAAGATCGCGGCTACAGGGCCA
 ACTGCTGGCGGTGATGTGCAATCCTAGAGCGGCTACGGAGGAGCAGAGACCCCTTTTGGTCCAGGTGGGAATCCCGAGTTTG
 JACTGCGACCCCTCCTGGTGGGAACAATGNTTCTGTACTGTGCCCCGTGCCAACATGCCAATCTGTGCTGAGCCATGAGCGGAGGACTT
 IGGTTGGAACAAGCGTCAGTCGGGCAATTGTCTTCANCAAGCTTCTTCTGGGGTTACTGTCTGACCCCAAGTTCTTGGGGGCACCTGAG
 IGACAAGATTGGGGAGAGAAAGTCAATTTCTCTCANCAATTGACATGGGGTCTAATCACAGCCATGACCCCTTGTGCTCACGT
 JACCTCAGTCCCTCTAAATCTGGTCAAGTCTCCGCTTCTGATGGGATTGTGCAAGGTGTCCATTTTCTGCTCTGGCGAGTCT
 CTTCTCTCATCGGGTTCGGGAGACCGAGCGTGCCTTACCTGCAGTACAAATCGGCAGTGGATCTCANCTTGGGACTCTGGTTATGGG
 TGGAGCCCGGCTCACTGTTGCTGGAGTGGTACGGCTGGGANAATGTTTTTACTTTGCGCGGATTCTCT

Q9925348.Seq

NNNNNNNNTTTGANNCCNNNNNTTGAATTCCATNTCCTTGNCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGC
 GTCCGTTCCATTGATGGATCCTCGGATCGCCTGGTTCAGCCAGAACAGCTAGGCCCTCCAAACAGCCTGTGGATGCAGATCTGGG
 AGACCACGCAAGGATTGAGGAACCTCTACTTTAACCATAATAGTCCGGCTCCCTCACACACAGCGGATCTTCCAGCAGCTCCTCGA
 TCTGCGAGACTAACACCATGTACAGGGACAACGAAGTAGTTAAGAACAAACAGTCTTGGGGGAGCAGAGATTACATCCCACTAG
 AGACCGACAAATTACAAACCAACTGCTGAGCCAGAGCTCTGGTGGGTAAAGGACATGACCATATTAAACAGGAATAAGA
 GGAACGAGATAACAAAGGCAAGTACATTCCGACTCAACTGCCTTCTCCAGGGAACAGCTGGGAGCAGTGTGGTGGCACTGTACAACG
 GGACTCCATGGAAAACCCGAAAATATAGCGAAGAGTCAATANGGCTTACGGAAGAGATATTGGACTTCTACAAGTACATGTCCCTC
 GGCCCGAGGAGAGAGATGCGAATGGAAGTTGTAAACCGAATTGAAAATGTCAATTAAAGGAGCTGTGGCCCAATGCAGATGTGCAG
 ATATTGGAAGCTTTAAAAACAGGACTTTACTTACCAACAAGCGATATTGACCTTGTGTGTTTG

Q9925349.seq

AAATCAAGCTCTTGTTCTTTTGCAGGATCCCTCGATTCGAAATTCGTGCAACCAACGCGTCGCTGGAAGGCTTGCCAGTTTGTGTCATC
TGTGCCCTTGGAGTGTTCGTGTTCAATAACAAACAGCAGGAGACTGAAGACAGACTTTGATTAATAAGAGTTTTCAAATGGAAACCCCTG
TTGGTACGCCCTCTTAACTTTGTGACACTTGTGTTACTAGCCAGGCAAAACACAGGCTGTGTTTTTAGGTCTTTTCATAGAAACATTT
AAAAAGTAAAAATAAATCCAAATCAAGCCATGTTTTTAAAAAGTCACGTGACGCCCTTATCCATGCCAGTTGTTTAGCATATATATATA
TATCTA
AGAAATGAATCAGATTAAATTTGGGATGGGATTCAGGATACATCCAAACTGAAATAACCAATTAAACCCCTTCCAAAATTTCTTACGGCTG
GCACATGGGCAGCCTTCTGTACTACCTACTTAGCAATAACAAGCTTTTCAATAACAACTGTGTGGATAGGACCCACAAAGCGGNTGGCCT
CATTTCTCACTGGAAAGAACAGCTGCTGTGTGCAAAAACCAATCCCTTACCGAGAGAAAAAAGTCTGATGTTCAAATCTGTCTGTGCA
NAAAGCAGCTGTCACT

Q9925350.Seq

TCNAGTTNCTTGTCTCTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCTCCGTGCAAAAGCTTCCAGCACAGTAGGGCT
 CAGATTGTAACATACAGAAGTGCCATTGTTGTAGTTCTACTTGTGTTTTTCAAGGCTCTCTGGGCCAGTTTCAATTTTGAATTTATA
 TTTATTGTTTCAGAGGACAGAGGAGAAATTTGAACCAATTTCCCTGGTTACAGGTTATTCTTATTTCAGTTAAAAAATAAAAAA
 AAGGCCAGGTACCATGAAGAGTTTCTTCANAGACCACTAGTGCACTCTAGGCCCTGGAGTCAGATGTATACCTTTTTTTTATTGTAAGTAA
 TAAGAAATCCACAAGCGGAGACTCAGATGCAAGTCTATCCCACTCTAGGCCCTGGAGTCAGATGTATACCTTTTTTTTATTGTAAGTAA
 CCGTTGTTGGATTAAAGTGATCATGTTTATTATGGACACGTTTATTAAATAATTTTACAAGAAAAAATAAAAAAAGGGCG
 GCCGCAAGGCCCTCTCGAGCCTCTANAACTATAGTGAGTCGTATTACCGTAGATCCAGACATGATAAAGATACATTGATGAGTTTGA
 CAACCACTNGAATGCAGTGAATAAATGCTTTATTGNGAAATTTGGGATGCTTTTGTCTTTATTGGAACCATTTAAGCTTGCA
 ATAAACCAAGTTAACCCANN

102240 E460T660

Q9925351.Seq

AAATCAAGTTNCTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGCCGGCGGAGGAAGCACGTGAC
TTATTGCTAGAGAGCTCCGCCCTTCCGCCCGCTTCTTTTGCACTGGCACCGATGGGGACGGAGAAAACTAAATATCGACT
CCATCATCCAACGCCCTCCTGGAGGTAAAGGCTGCCGTCTGGGAAGAAATGTTCACTGACAGAGATGAGATCCGGGGCCTGTGCC
TGAAAATCCCGCGAGATCTTCTCAGTCAGCCCAATCCTGCTGGAGCTGGAGGGCCCGCTGAAGATCTGCGGAGATGTGCACGGTCAGT
ACTACGACCTGCTGCGACTGTTTCGAGTATGGCGGCTTCCCCCGAGAGCAACTACCTGTTCTTCTGGAGATTACGTGGATCGGGGA
AGCAGTCGCTGGAGACCATCTGCCCTGCTGCTCAAGATAAAGTACCCCGAGAACTTCTTCTGCTGCGAGGCAACCCACGAGT
GCGCCAGCATCAACCGCATCTACGGCTTCTACGATGAGTGTAAAGCTCGGTACAACATCAAGCTGTGGAACCTTCACTGACTGCT
TTAACTGCTTGCCTGTACTGCCATTGTGGATGAAAAGATCTTCTGCTGNACGGAGGCCCTCTTCCCTGACCTACAGTCCATGGAGCA
AGTGAGGAGGATCTTCC

402340" Eth60T660

Q9925442.Seq
AAATCAAGCTCTTGTCTTTTTCAGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGCTGCAGGCCAATAGGACGGCGGCG
TTTCGCGTTGCCCTAGCAGTGGTTGCTAGGGGAGCTCAGAGCACCCGGATGTTGGATATTATCGGACAAATATGGCCGCTGCGATTAGA
JGAAATTGAGAGGACGTTTGGGGTACAGGTCCATTAGCTACCATGTTTGTAAAGAAGAAGCGGTTGAGATCTCTGCTCCATCA
AATTTGAACACCCGGTGCATACTGGCTTTGATCAGCAGGAACAGAAGTTCACGGTCTTCCGCGACAGTGGCAAAGCTTAATTGAG
SAGTCTGCCAAGAGACCCAGCCACTTGTGACCCCTCCTATATAACAACAATTAAACATGTCCCTCAAAGACTATTGTGCGTGGG
AATAAGATGTCGCTGGATGGTCCCTTGGCATGGCTTCTGGATGAGTTTGTATGACATGTCAAGTTTGCCTGCGTCCAACTCTCTGCGTAGA
GAAAGCCCCCGTGTCAACCCGAGAGGACCGTTTTTCAACAGGAGAAATGGTATGAGTGAAGTCCGTGTAAAGCAGCAAAGAGAAGAT
GGACAGAGGGTTCAGAGAGGAACAGATCAGAGCATCCCAGAGAGACCAAGAGAGAACNCAGAGCAAGTCCCC

146349 24604560

Q9925445.Seq

ANTTTNATAACCANNCTACTTGTTCCTTTTGCAGGATCCCATCGATTTCGAATTCGTCGACCCACGCGTCCGCAGCCATCTTGCTTCT
GCGAGACAAAGAAAATTCAATCGGTGACATACAGCATGTTTGGTGTCTTCAAGAAAGAAGTTTGTAGAAAGGGTCCGAAAGTGACTACCA
TGATGAGAAATATGTATATAGCCAGTCTTCGATGTTTCCACATCGGTCCGAGAAAAGATATGCTGGCATCTCCATCACCATCTGCATC
GGGTCAACTGTCAAGTTTGGGGCCAGTTTATATGGACAAACAAAGTGCACTAGGCCCTTCCAATGAGGGGATGAGCAACAATACTCC
TCAGTTAAACCGCAGCTTATCTCAAGGCACTCCGTTACAGAACCATGTAAACGCTACTACAGGGGTACCAACAATGTCACTTCATAC
ACCAACCATCTCCAAACAGGGGTATTTTGCCGATGAATCCAGGAATATGATGAACCACTCCAGGTTGGCATTTGGAATTCCTAGCAG
GACAAATAACATGAGCAGTTTCAAGGTTAGGCAAGTCTTAAACAGAAGCTCACCCAGCATAATATGTATGCCAAAGCAGCCCCATCCCCG
GCAGCCTTTTACTGTGAACAGTATGTCTGGGTTTGGAAATGAGTAGGAATCANGCTTTTGGGTTTGAACAATTCCTTTTTCGAATAACA
TATTTAATGGGAN

[illegible]

Q9925446.seq

[illegible]

43424660

Q9925447.Seq

ATAANCAAGCTACTGTCTCTTTTGCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGACTAGTTCTAGATCGGAGCGG
CCGCCCTTTTCTTTTGTCTTTTACGTTTATTTATTGCAAAATAAAGGTCGCATATGTTTCTTCAGCTCACCCCTCAATAGA
GGTTTAGCAGGTGAGAGATGACCAATTATAGAACTGACATGATTCAAAATGAAATGCTGAATATTAAACGACTCACAAGTTCATTAGT
TCACAAAAGTTGGTGCAACTACAAGCACGCTAGGCAAAATAAGAGGATAGGGAAGTGGAGATACAAAACACACGACTAACTTCATAC
AGATCCCATTTGGACAACTAGATTTACAAAGTTTATTAATAGAAATAGGCAATGCGCTTTTCTTAAATCAAAAATGCATAA
CAAACGGAGTAAATGGTGTGAACCTTACAAATTTAAAGTCTCTGCGGTTTCCACAGAAAGCAAAATACATTAAACAGCTTTTAAAA
CATACTACACCCCTATGGTTTCATGTGAAAGTTTCATAAAGCATCCCTTCAATGCTGCAAGCTATCCTGAAACCCCTTAAAAATGCCTGTN
TTTATTCCCTGCNAGAGGACNGAGAGGAAACGGGTTTATACAAAGTTNCAATCAGTCANGANGGCACTTTCNCATGCCACATTG
AA

Q9925448 . Seq

ATANNCAGCTACTTGTTCTTTTGCAGGATCCCATCGATTCGAATTCGTGACCCACGCGTCCGTATCTCCCACCATGGCTCCGCCCTCCCACTCCTGTTCTCGTGCTGTCGACCGGTGCTGTGAGTGTTCGTAGTCCAGGCCCTTGTCTCCTAACTACCCAACGCTGTCCTGCTACTGCCCCATAGGCAATTACATGCAAAAGCACCTGTTCCTCGGCTCACCAAGTACATCTTGTAACAAGAATAAAGTCTTTGATTTTTGAAGCTTAACATAAATCCATTGATAGATCTATTAAAGTCAGAGGTTCTCAGGGGTAGTAAATTTGTGCAGCAAGATATACCTGTGCAATTGTGTTTCATACAAATATATTTTCTGCACATAATAGAACTGTGGGATGATTTATTAGTTTTCAGCTAAGGGACTGGTTATACCAATGTTATAAAATGAGCCATCTTTTTCACCTTAAAAAAGAGAAATCTTGCTGTGAGCAAGTGGCTGAGGACAAACACGGGGTGGGTGAGGGCAACCTTATACATGCTCACTTAAATCTATGCTTAGGGTACAGCATTCGCAAAAGTTGCAGTGGATACCTCCGAGAGTGTTTTACAATGCAAATTACATCACATATCTCATTTTAAAAANG

TCGA-40-2460T660

Q9925449.Seq

AACCAAAGCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGCGCAGAAGGAAATCGTGAAAACCA
TTGATCATGGATCCAAAAGACCAAGAGGAAGATCTTAATATGGAACAATTTATGGAAAAATTTAAAACTCAGAAATACAAGGGTGCA
TTTAAATGAAGACTCCTGGGAGGAGGAGTTTGACAAGATCCCGATGTTCATGAAAAGCTCCTTCTGAAATTGACCCCAAAAAAGCA
CCTGAGCTGGCTTGTCTTCAGTCCATTTTGTTTGATGGAGACCTGAAGAGCAGGCAAGTCCCTATAAAGATGAGGGCAATGAGTAT
TTTAAAGAAAAAGATTACAATAAAGCAATCACATCATATACAGAAAGCATTAAGAAAGACTGCAAAAGACCAAGAAATTGAATGCCATA
CTGTACACCAACAGGGCGGCAGCACAAATTTTATTTAGGTAAATTACAGATCTGCTCTTAATGATGCAACTGCAGCAAGAAAACTGAAG
CCTGATCATTTAAAAGCAGTGATGAAGAGTGCCCTTGTGCTGTGGAAATAAAGAACTACACTGAAGCTTTGAAGTGGTGTGATGAA
NGCCTAAAGTTCAATCCAAATGAGAAGAAACTGTTAGAAACTAGAGCAAAAAGCTGTATAACTGTTGAGAGCTGCANAACGAGATN

Q9925450.Seq

ANTTCCATANNCAAGCTACTTGTCTTTTGTGAGGATCCCATCGATTCTGAATTTCGTGACCCACGCGTCCGCGAACATTCGAGCCG
 ATGTTTTCGGTAGCGCTGCACCCGGTTTCTATCCCGCTGCTCGGCCGACGCTGGGCCCTCCTCGGTGCAAGAAGGAGGGGAACCTCT
 GTAGTGAGTAAGGGGGCAGCCTCCTCAGCTTCCAGGATGATGACGGCGGAGGAAATCTTTACAGTGAAAAAATCCAATTACAGC
 AAAAAAATAGCGAAGCTGCTGAAAAAGGAGTATCAAGAAGATCTGGAGAAGACCAAGCCGAAAGTCAGTTGGCAACAGTTCTGTAGAC
 GGTGATGGATTATGAACAGATCCAGCTTCCGAAGGATGGAGTTCAA CAAGATGTCTATTGTTGGCAGCCNAATTAGGGGAGGAGGA
 AATGGAAAGTTGAAAAGTGAAAAGAGAGAAA CCCCAGCTGGCTTGTTTGCCCAATGCNAGTGGCTGNTTTAAATGTTNTTACCCCC
 AGGTGAAATTTCAAAACCCCCATTATTTCACGCGAGCGCGTAAAAAGANACAGATGGCTNNGGAACTTGGANACCTCCCNNTNTGTAA
 TGGGAGGNGGGTGGTNAANAANTCGATTGGTGGGTGNAATGAAAAACCCCATGCCANCCCATNATTTAAAAATTGATGATTANANGCGAA
 TTTNTCTTTTCC

Q9925451.Seq

ANTTTCATAANCANGCTACTTGTTCCTTTTTCAGGATCCCATCGATTTCGAATTCGTCGACCCACGCGTCCGAAGACAAATTAAGATGT
 ATTGTCAGAGAAATGCAAGAGAGAAAATATAACAAGGCTTTAAATTGTGTTTCAGCAGGGAATGACCCCATCTGCCAAACAGTCCCCTGG
 TAGATAATGGCTCCCAAATACATTCTGGAGCAGTTTTTACAACAGGAGCTTCTGATTAAATACACAGAGCATGAGCTGGTCCCAGAAC
 ATGTGGTCATGACAAAGGATGAGGTGACAGANTTGTTCANCTCGATNCAAACNGCGGGAGTNTCANNTTCCCCGTTNTNAGGCTGGAA
 ACCNTGNGGCANNANCTTTGGGTTAAAAACNNGGTGAGGTGGTTAAATCATTNNTCCTAATGAGACAGCTGGCCGNTACATAACTTA
 TNGCTTGGTTCANTGAGGAGAACACACANTTGA CNGAAGANACTTTTCATTTGCGGATGCTCTTTTATCTTTAAGGGATGCCCTGNG
 ATTTTCTCCCACTGTGGNTTGCNCCCTGCTTATNATAGTTACTTGCCCTGCNCATGGGGTATACAGCTAATCAAAACATAGAAATA
 GTGTAGGCTCCTTTGATGC AAAATATAAATTTGGAGCTCTTCCAGCTCATTAATAAANGGGCTTGGCATTTTCTGTGAAAAAAAATA
 ACCTTANCTT

TC229 E460T660

Q9925452. Seq

TTTGAANTTCATTGCCATNCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGATTGTGGC
GAGGCCACATAGGCCAGGGCCTTGGCGGCACATTTTGGGGCGGCATGCCGCCAGCCGCTCTGTGGGTAGCCTGTGCGCCCCG
CCTAGCGTATCCAGCGCTGCCGACCATATGGCCGAACGTTTCAGATTACCCCCGATAAGCCATGCCGTTAGTGGCATATCGGGGA
AAGATCCGCTCGTTTGGNNANNNNNNNNNNNNTTNNNTTNTNGNNNNNNNNANTNTNANNAN

Q9925453.Seq

ANTTTCNATANNCAAGCTCTTGTCTTTTTCAGGATCCCTCGATTTCGAATTTCGTGACCCACGCGTCCGGCGTGACCCCTTCTCTGAG
 AAAGAGTGGAGTTGGTAAACATTTTCATCAAAAACCTGGACAAGTCCATTGATAACAAAGCCCTGTACGATACATTTTCTGCGTTTGG
 CAACATCCTTTCCTGTAAGGTGGTTTGTGATGAAAAATGGATCTAAGGGCTATGGCTTTGTTCACCTTGAGACACAAAGAGGCTGCTGA
 GAGAGCTATTGATAAAAATGAAATGGCATGCTTCTCAATGACCGCAAAAGTATTTGTGGGCGTTTTAAGTCCCGCAAAAGAGCGTGAAGC
 TGAGCTTGGCGCCAGAGCCAAAGGAATTTACAAAATGTATACATTAATAATTTTGGAGAGGACATGGACCATGAGAGGCTGAAAGAATG
 GTTTGGCCAATATGGGGCAGCTCTTAGTGTAAAGTTATGACAGATGACCATGGAAAGTCAAGAGGTTTTTGGCTTTGTGAGCTTTGA
 GAGACATGAAGATGCACAAAAGCTGTGGATGATATGAATGGCAAGGATTTGAATGGGAAGGCCATATTTGTTGGCCGGGCACAGAA
 AAAGGTGGAAGGCAGACTGAGCTTAAGCCCCAGTTTGAACAAAATGAAGCAGGACCCGGAATCACCATNCCAGGGGTGTTANCCCTT
 TTATGNTAA

Q9925454.Seq

ATATNCAAGCTACTTGTCTTTTTCAGGATCCCATCGATTGGAATTTCGTCGACCCACGCGTCCGCAAGGGTCTGCCGGTCTTCG
 CGCGTTCTGTAGTCACGTGAGCGCGCAGCCAAACACCGAGCGGACTGGGCAGCCCCCTCCTCCCGACGCCCTTCTCTCAATTGCGCAG
 TCCGGCAGTTACATCGCCAGGCACAAGCAGGTCTTTCCAGTAAGCGACTGTCCCTCTGTTTAAGCATCTAGACCACACCTCTTAC
 AATGCGTCCCATGCCATATTTTGAATGATGACCGCCATGTCAATGGCAAAGCACTCTGTGGTGTATCCCACTCAGGAGGAGCTGGA
 GGCTGTACAGAAATGGTCTCTCACACAGAGCGGGCCCTAAAGGCAGTCTCAGACTGGATTGACCAGCAAGAGAAAGATTGCAGTGG
 AGAGCAAGAAACAACCAATGGCAGAAAGAAACAGAGACAAACAGAGGAGGGCAAGGACAGTGAATGAAGACTGGAGAAAAATCCAACAAG
 GACTCTTCGTGGCGTGATGAGGGTTGGACTTGTGCCCCAAGGGCTTCTCTGAANGGAGACTTGGATCTTGAACTTGTCTTGTGTG
 CAGAGATAAACCCACAAATTTCTCTTNTGAAAAGGGGTGCTGATACCTTGTCTTTGCCAATTTGAGACTGTGTCTGAGGATAAAATATA
 AAT

404340 24507660

Q9925455.Seq

ATAANCAAGCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGCTTGGGAAGAGAAGATGAGGGA
TGTGACCTTCTGATTGCTGATTGTCTTAGACTTATCTCAGGCTTCCATGAGATTGGGGATACAACGTGAGATATCTGCCT
GGTGGTGTATTCTCTTGAGGAACATTCTATACACACACACACAGACTGTGGATTTGTGGATTGAGTTGCCAGGATCAGGATG
TATCAGAGTATAGCTATGGCCACTAACCATGGTCCCTCTGGCTATGAGGGGACTGGGAGCTTCATGCACAGTGCTACTGCTGCTACC
TCACCTGTCTATGTGCCACACACCCAGGGTCTCTCCATGATCCACAGCCTACCTTACCCTCCAAACCAGCGGCTCATCTCAACAAGGA
AGCCCACTTCTGGCCACAACATGTGGGCACAAGCCGGAGTGGAACTCTTTCCTTACCAACCCAGGAACTTCTCATCCCCCAGTGTCT
CCCAGATTCACTTCTCTCCAGCCCCCTTACAGCACTTCCAGCAGAGAGGTCTCTACAGTAGCCCCCTAGGCACTTCAGCT
AATGGGAGAGAGCAGTACAGCAGGGGGCTGGGTGCCACCTATGCAAGCCCTTACCCAGCCTATATGAGTCCAGACATGGGTGCTGC

Q9925456.Seq
 ATAANCAAGCCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGGTACAAAGCCGGTGGTGTGGC
 TTTGGGGTTCTTTTCAGACTCGTGAGGGAGACTGACCCGAAAGATGGCTGAGGCGAAGACCTGCAACATGGAGGTTTCTTGTGCTC
 TGCCTGAGGGCAGTGTGAAGCCAAATGCAGAAGACATGACATCAAAAGATTACTTTGATTTCGTATGCTCACTTTGGCATTCTATG
 AGGAGATGTTAAAGATGAAGTTCGGACACTGACCTATCGCAACTCAATGTTTCACAACAGACATCTATTAAAGATATAAGTTGTGT
 TGGATGTTGGGAGTGGCACGGGTATTCTCTGCAATGTTTGCAGCAAAAGGCTGGTCCCAAGAAAGTCATTGGGATTGAGTGTCAAGTA
 TATCTGACTATGCCATAAAAAATCGTGAAGGCAATAAACTAGATCACGTGGTCACCATCATCAAAAGGCAAAAGTAGAAAGAGGTGGAGC
 TCCCAGTAGAAAAAGTGGACATCATATAATCAGTGAATGGATGGGATATTGTTTATTCTATGAATCCATGCTTAAACACAGTTATCTATG
 CACGGGATAAATGGCTGAACCCAGATGGATTAAATATTNNCAGATCGTGTCTCACTGTATGTAACCTGCTATTGAGGATAGACAATAACAA

402343" 21607660

Q9925457.Seq

ANTTGATANNCANGCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACCGCTCCGCCCTTTGCACCAGTT
CAGGTTTTCGTGGCACGTTAGTGGTTCGTGATCATGGCCGAGGAGACAGCAGCTCTTTCGACTGAGAAAACAGAGGATACATCCAC
TGCTCCTTCAACTTTCGAGAAAAGCTGATGGAATTGACATAGACACTGAAGCAAAGAGATTGTTGGTCTGGCCCAAAGCATCT
TGGCATGAANGGATGTCCTTCTGCTGTGAACTTGTTCAGGAAGCCAGCAGCCTTCTTGCAAAGCAGTNTGGGAGACTGCAAATG
AATGTGCCGAANCCTTCTATTTCATATGGAATGAGTCTACTTGANCTTGACCGACTGGAGAATGGTGTTTTAGGAAATGCATTGGAGG
GAATGCCAGAGGATGATGAGGAANAANCCGAAAAGAGGAAGATCCCAACATTCCAAGTCAGATAACTTAGATGAGAAAAGAAAGGG
AGCAGTTGAGAGAAACAGGTTTATGATGCAATGGCTGAAGATCAGAGAGCCCCAGACGATACATCGGAGTCTGAAGCAAAGGGGAAGC
CTGAAGGTGATTCAAAGGATAAGGAAGCTGATGAGAAAATGGAAGAAATGGGCNGAAGGAAACAGAAAAGTACCTGATGACCTGNA
TCGAT

Q9925458.Seq

ANTTTCGATANCCANCTCTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTTCGACCCACGCGTCCGAGCAAAATATAGAGCATT
 TTTAAACGGGATATTATATTGGGTGTATATTACAATATTCAAGTGTGCAAACTGTTGTAAACATTGTTTCCTTCAATAAAAATTACAAA
 GAAAAATATTTGTTTAAAAAAGGGCGCGCAAGGCTCTCGAGCCTCTAGAACTATAGTGAGTCGTATTACGTAGAT
 CCAGACATGATAAGATACATTGATGAGTTTGGACAAACCACTAGAAATGCAGTGAAAAAATGCTTTATTGTGAAAAATTGTGAT
 GCTATTGCTTTTAAACCATTAAGCTGCAATAAAACAAAGTTAACAAACAATTGCATTCAATTTATGTTTCAGGTTTCAGGGG
 GAGGTGTGGGAGGTTTTTAAATTCGCGGCGCGCGGGGCCAATGCATTGGGCCCGGTACCCAGCTTTTGTTCCTTTTAGTGAGGG
 TTAATTGCGCGCTTGGCGTAATCATGGCATAGCTGTTTCTGTGTGAAATTGTTATCCGCTCACAAATCCACACAACATACGAGCCG
 GGAGCATAAAGTGTAAAGCCTGGGTGCCCTAATGAGTGAGCTAACTCACATTAAATGCGTTGCGCTCACTGCCCCGCTTTCCAGTCCG
 G

402302460T660

Q9925459.Seq

TGANTTCATNANCANGCTCTTGTTCCTTTTGCAGATCCCATCGATTTCGAATTCGTCGACCCACGCGTCCGGACGCTTACAGCTTCC
ACCTTGCGCGTCCCCTGGAGTATTCGCGGTGCACGAAGGAGGGTGGACTGGCTGGTAGCGGCGTGAGTTAGCTCTCTAACGGC
CGCCATTTTACAACAACACACTCCGCCGACAAAGGAGCTGCTGCAACACGAGGGGCGGTTCTCCGCTAGAGCGAGGAGCGAAA
GAAACGGGGAACGGCAGAAAGGAGCGCTGCAACTTAAGAGACCACTGGAATCATCGGGAGAGATGTCTGCAGATAT
GGCTGCTGAACATGTAAATGGGAATGGTACTGAAGAGCCCATGGATACTTATGCTGCAAGCGCCAGTCAGAGCATACGCAGACTTT
GCTAGATGCTGGTTTACCACAGAAAAGTTGCTGA AAAA CTAGATGAAATTTACATTGCAGGATTAGTTGCACACAGTGATTAGACGA
ACGAGCAA TAGAGGCTTTAAAGGAGTTTAATGAAGAGGTGCGCTAGCTGTGCTTCAGCAGTTTAAAGGACAGTGATCTTTCACATGT
ACAGAAATAAAGTGCCCTTTTATGTGGAGTTATGAAGACCTACAGACAGAGAGAAAAACAAGGGGACCAAAAGTGGCAGATTCTAGTA
AAGG

Q9925460.Seq

TNNNTTTGATAACCAANGCTCTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGAAAGGAGACAAA
GGGAAAGAAAAGAGATCCAAATGCACCAAAAAGGCCACCATCTGCCCTTTTTCCTCTTTTGTCTGAGCAACGTCCCCAGATAAA
GAGCGAGACTCCTGGTCTTTCCATTGGTGACACGGCTAAGAAACTAGGAGAGCGGTGGTCAGAACAGACTTCTAAGGACAAGTTACC
ATTTGAGCAAAAGGCAGCCAAACTAAAGGAAAAATATGAGAAGGATGTTGCCGCAATACCGGGCTAAGGGCAAAAGTGATGTCGGCAA
GAAAGTTCAGGAAGGCCGACGGGTTCTAAAAAAGAGGCAGAACCCAGAAAGATGATGATGAACGAGGACGACGAAAGATGATGA
GGATGAAGATGATGAGGATGATGAATAAATGATTTGTCTGTGATAAAATTGTGCTGAAGCCCCCTTTTTTTTAAATTTTTTTT
TGCTAAGAAATGTGAACCTCAAGTGCAGCTCATTTTGTAGCTTGGTTATAAAAAAACTGTCAAGAACTGTATAGGTCATGTGATTT
GTTAGGGAAAAAAACCTATTTTANTATAAGTAGNGGACGGGCTTGTAAAAAAGCTGATATGGGATTATTCTGCATATTTAATGAA
TTCAAA

Q9925462.Seq

CCAAGCTACTTGTCTTTTGCAGGATCCCATCGATTGGAATTCGTGACCCACCGGTCCGAGAGCGAAAGCTTCCGCTTCTATCC
 TGTTCCTGGGAGACAACAGAGAGGGACGCTTAGGAGAGAAAGCAGGGTTATTGACAAACACCGTAGGGCTCAGGCAGTTGTTATATA
 ATGAGTGAAGAGGACAGATACGCATTTATTGCTGAATGGTATGATCCAAATGCAGCGATACAAAGACAAATACCAGCTCAACTATTAC
 ACTAAGGATGGATCTGTGAAATGTATGACATAAAAAACCATCGAGTGTTTTAAAGACGAAACAAAATATGATGAAATTCATAAAGAA
 GATTTATTTGTGGGCAACAAAATGAATGTGTTTTCAAGGCACCTTCACTTAATTGACTATGCAGATCAGTATACCTCTCGTAAGGTT
 GGCAGTAAAAAGGAAAAACATTAGCTTTGATAAAACCCAGATGCTGTAACAAAAATGGGTTCAATTTTGAAGCCATACCTGGATTCA
 GGATTCGTAATCTCAAAGGCTAAAAATGATGTTACTCTCCAGAACTGAGACAAATGGACTTTTATAATGAACATCATTCAAAAATCATTT
 TTTAGCGATCTTGTTCAGTTTATGACAAAGTGGGCCCATTTATAGCAATGGAAGTAGTTGGAGACGAAGCTGT

402280 24391360

Q9925463.Seq

ATAANCAAGCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTCCGACCCACGCGTCCGGTTATGCAAAGGACATCGGTAT
CCCAGACACAAAGGAGCTTTCTCCTCACCATTTCTGGATTCTGTGATATCTTTGACCGACCCACATGTGGAGTAGTTGCAGGGCT
GAAATGGGTTAGACCATATTCTGTCTACTTATTGGATTTTCTATGCTCTTTAATGGGTTCACTGATCTGATGGGCTCCATGGCAGA
TTCCCTTCTGGGGACTGACCATCTTCTGCAATATTCTTGGGATTTCCATGGAATGGTCCGTGCACTGCAGTTTGAAGTCCTGATGAC
TATTGTTGGTACACAAAAATTCTCCAGTGCTATTGGGCTGGTCCCTACTAGCAGAGCTTGTGCAGTTCTTGTGGACCCACCATCGGC
AGGAAAAATCTTGGATGCAACTGGGAAGTACATGTTTGTATTTCATCATTTGCTGTGTTGAAGTCGTAGTGTCTCTTTGGTTCTCAC
TGCTGGAAACTTTTCTGCATTAAAGAAAACTGTAGAGGAACCTCATCAATAAGACAAATGCAGATATAGAGAAGCTTAAAAAACTTGA
TGGCACAATACCTGAAAAATGGCAAAAGTGGATTTCAGCAGAAAATGGAA CAGTTCTTGAAGGAAGAAAAAGAAAAA

Q9925464.Seq

AANCAAGCTACTTGTCTTTTGCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGATCGGGATGCTTTCAATAAAACCA
TACACGTTCCGGTAATTAAAGTAAAGAAAGAAATAATCAATAGACTCATGAAGTCCCTTAAACACAGACTTATCCAAAGGCCTAGCC
TAAAGAGAGTCATTGAGGATCCGAAAGATGAAGTCAACAACTGGTCTTATTGGACCCCTTATAAAGTGAAATCCATAGACTCGTTTG
CTGAAAGTGATGCACCTTTTCAACACAGTTCGACGTTAGCCCTCAGGTTTCTCAGTATGAACCTGCAGCTCACTTATGAAAACTTTTA
AATGTGAAGAAATCTTAAGGGCAGTTCTACCTAAAGGCCAAGATGTTACCTCCGGAATTCAGCAGGGTTGGACACATTTGCTCATATGA
ATCTCCGAGACCATCAGCTTCCATACAAAAATGTAAATTGGTCAAGTTATATTAGACAAAGATCCAGGTATTACATCTGTCTGTAATA
AAACCAACACAATTTGATTCAGCATACAGGAAATTTCCAGATGGAAGTGTGGCAGGTGAAGAAACATGATAACAAAGGTTAAGGAAA
ACTACGTCACCTTATGAATTTGACTTCTCCAAAGTCTATTGGAATCCACGCTTGCCACAGAGCACGATCGCAT

Q9925465.Seq

CAAGCTACTTGTNCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGATAGACAGGAGATAGGCATCTTGCAG
CGAATACAGTTCAGCGGAGGTGTAGGTAGCGGACTGTGTGGGAGTATGCCCCAGTGTATCGCTGAGCTGCACACTTCGTAAAG
GAGAGCGGAGTGATTATTAGACGATGGTGGTTCCTGGGAATTCCTGGTATTCACGAGATCATGCAATAGACCTCAGCGACAGA
GCAATGGACTTGGCAGCAGAGCCAGATCATAGCTCAGACTTAAATGAAGTACAGAACTCCATGATTTGGTAAAGATTAGAAATT
CAAAATCAGCAGCTGAAGATTAAAGAGATTCCGCAGAGTTCCAACATACAAAACACTTCAGGCAATTGATAATCATCTTCTGCTTTA
AATTGCACTGGAGTTATGAATAGCATCAACATCCAGCCTGAGAAAGGAGACTTTCAGATAATCCCAAACCTACAGTCGCAACTTGAT
CAAAATCAACTCGGAGAAAGGAAAACATTCAGCTTTGAGACTGGATGCACAGGTGCAGTACGAGAAGGTATGCAGTGACTCAAAACCT
GGAAGCAAAGTCGAGATCCACTGTGATCAGGATGATAGTTCTCTTCTACTGNGTTGATAGCAGTGCAAGTG

Q9925466.Seq

ANATTTGATAANCANGCTCTTGTCTCTTTTGCAGGATCCCTCGATTGGAATTTCGTGACCCACGCCGTCCGAATAGGAATGCTGGATA
TCTGACTATGTAAAGGGTCCAAATGTCTTTACCTGCTTGTAAAGAGATGAAATAGATTGAGAACAAACTGTACCTACTATTTAAGGCA
TCAGCTATTAATTGCAATTGGTCACAAATAACTAGTTATCTGTAATCACAATAAGTATTTGTGTTAGCAGTAGCTGGCAGGTACTGCCC
TGCCCTATTTTCAAGTCTTTAGATAAAAATGGTTTGTCTCAGTCTCCTGTGATCATGCTGGAATGCCTTTAGCTATTCCTGAGTCT
TCCAGTATCCCTAACCCCTCCTCACAGATTACTGCCCTTGTGAGAAAGCAGGCCCTAAATCCTTCCCACTTTTATAAACAGAAAGTA
ACCTTCCAAATGGGTCTTAGTGGTACCCTAATACTGAAATATACTGTTCATGAAAGGTAGTTAATTGGCTAGGAAAGGATGAAATG
TTCCTCTTAGGAATGCTGTTCTAAGCCCAATGGCTTTCTGTGTCATAATTTTCATCTGGTTCTAAACCCGGGAAAGTTTAATGCTGTTG
GATGCTGAGCTGTCTAGAAAAAGTCAAAAAAGAGAAAAAAGGGGGCCGCAAGGCCCTCTCGAGCC

Q9925467.Seq

TTTGATAACCAANGCTACTTGTCTTTTGTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGGGTGAAGTCACCAAGCG
 CAAAGAGAGAAAGCCACAGCTAATGGCTTGCCTAAGAAAAAGTCTGCAAAAGGAGTCTTCCAGCAGCGAAGACAGCTCCAGTGAGG
 AGGATGAGCCTCCTGCAAAAAAAGAGCTCAGCCTGCAGGAGGAAAAAGCCTGTGTGAAGCAGTCCAGCCAAAAAAGCCCAAGA
 GCAGCAGTGAGGACTCCAGTGATGAATCTGATTCTGAAGAAGAAACAAAGAAAACCTCCTGCTAAAAAGCCTGCCCAAAACACCAAAAG
 TAGCCGCTGTAAAAAATCCAACTCAAAAGAGGCTAAGAGCTCCAGCTCTGAATCCAGCAGTTCAGAAAGATGAAGCCTCTAAGAAAAA
 AGCAACCTGTGATTAAAGTCCCTCCAAAGCAGGCCCTAGTAAAGGCTGGCTTAGCGAGCAACAATGGAAAAACAGCAGACTCCAGTA
 GCAGTGAGGACTCTGACAGTCCCCCAGCAAAGAGACAGCTGCCACAAAGACACTCCAAACCAACCCGCCACAGCAGCTAAGCCAC
 AAGCAAAAAAACAAGCAGGGAGAAAAAGTTCCAGTAGTGAGGACTCTTCAGACAGTTTCTGATGAAGAGCAGAAAGACTGCAAAAAGC

Q9925468..Seq

ANCANGCTACTTGTCTTTTGCAGGATCCCATCGATTTCGAATTTCGTCCGACCCACGCGTCCGCTGGAAACTCCGAGCAGCAAAGATC
 AGAGAAAAACAGATATTACAAAGTCGTTTATAGCTGGAGCCTTTCAGACGGAAAAACAGAGAGTTGCAGTTCAGCTACAGCAGGAG
 GATTACAGGCTTGACATCTCAACAAAAAGAGCACAAATTACTTACACCTACTAAATAACAGCTACAAACATTTTTTTTATTTTGCCT
 TGCACCTGTTTTTGCACAATTGTATTCTACTTTTTCATATCTACTTTTTTTTGTAGATTAAAGGCACAGGGATGTAATCCATT
 ATTCCACCTGGGATTTTACTGAACATACATTTCGGAAGGATGCTGAAAAGTCTGAGTGAAGTTTTCCTATAATAACCTGACATTTT
 GCCATAGGCAGCCAGTTCCACGAAAAACAGATGCCATATTTTGGCCAGTCAAAATGCCATCTTCAGGAGTCAAGAAAGAGC
 CTGAGGATTCCAAATGCCCTTTGTCTCCAGAAAAAGTCAAAAGGCAAGGACCCATAGGCCCTTATTTCAACATAAAGCTGAGAAAA
 TCATAATTACACGAAGTGACAGCGTACCAGATGAGAAATGTACTGCAAAATCACCATTTACAGAAATAACCATTTATG

Q9925469.Seq

TTGNNATTTTGATAANNCAAGCTACTTGTCTTTTTCAGGATCCCATCGATTGGAATTCGTGACCCACGCGTCCGATTTTGTGT
TCGCTTTGTCCGCCGCGCATCGCGGCGCATCCTCAGTGCAGTCAATGACGGTGGGAAAAAGCAGCAAGATGCTGCAGCACATTGACTTC
AGAAATGCCGTGTATCCTGCAAGATGGCCGGATCTTTATTGGAAACATTCAAGGCATTTGACAAAACACATGAATCTGATCTTATGCGAC
TGTGATGAATTCAGAAAGATTAAAGCCAAAGAATTCAAAAACAGCCAGAACCGTGAAGAAAGAGGGTACTTGGTCTAGTGTGTTTTCGA
GGGAGAACTTGGTTTCAATGACTGTTGAAGGCCACCTCCCAAGATACTGGTATTGCTAGGGTTCCATTGGCAGGAGCTGCCGGA
GGACCTGGAGTAGGCAGGCGAGTGTAGAGGTGTACCCGCTGGAGCACCTATGCCACAGGCTCCTGCTGGACTGGCAGGACCCAGTA
CGTGGCGTTGGAGGACCTTCACAGCAGGTTATGACACCTCAGGTCGTGGTAAATGTGGTGGCAGCTGCTGCAGCCCGCCACAGCAAG
CATTGCTGGGGCCCCAACACAGTATGCAGGTCCGAGGAGGACCACTTACCAATGGGCAGAGGAGCACCCCCCAGGCCCNATGATGG
GA

402240" E460T660

Q9925470.Seq

CAAGCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTCCGACCCACGCGTCCGGCAAGAAAGATTCTCCTGAACCATCCG
TAACAGAAAGTTGCAGAAAGATGAATTAAATTGTCCCAAGAAATGTGTTTATTCTATGCCAGGCATGCCATGTGAAGACCAGGTGGTAG
AATGCCAACTTTTCAACCAATGTGAAAACCCACTGGAGCAATAACAGAAAGTCAAGAACAGGAAGATGCTTTTCTTCTGCACAGCTCAG
GGGTGGAAACTACGAAGCAAACTTCTGCCAAAAGTCCGACAGAGCAAGACATATGGATTTACCAGTCCCAAACCTTAATTGGTG
AAAAGTGTGAACCAAGTGCATAGTCTGAGAAAGATTGAGCTAGTCCGTGCCAACCATATCAGATGCAAAGTTACCAGACACTGATAATA
CAAAGCTAAAGAGAGTGGCAGCAGTGCACCAATGTCCATAATATAAAGTTGGCTTTAAAGTGCATTATATAACCCACTCTGACA
ACCAGTGGCTTGTCTATTGGGAATCATGAGAAATTGGGTGGATGGGAGACATTAGTGCCACTAAAACTTGGAAGATGGCTTCT
GGTCACATTCTGTGATCCTGCCAGCAGACACACAGTGTGGAATGGAAGTTTGTGATGGTGGAAAAATGGAAAG

Q9925471.Seq

TTGATAATNCAAGCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGCACATGCAAGAGCAAGTC
CACGCGAAACCCCTCTACTGAAATGGACTGTTGGCGAGGGTGCCCTAAATGAATTTGCTTTTTCGCCAGACGGGAAATTCTTAGCCTC
TGTGAGCCCAAGATGGCTTCTTCGTGTATTTAACTTTGACTCGGTAGAGTTGCATGGTACGATGAAAAGCTACTTTGGCGGACTGCT
GTGTGTGTGTGGAGTCCCGATGGCAAGTACATTGTAAACAGGTGGAGAGGATGACTTGGTAAACCGTTTGGTCAATTTGTGGACTGTCTG
AGTTATAGCCAGAGGTCAGGGACACAAATCATGGGTCAAGCTTGTGCAATTTGACCCGAATACCACTAGTGTAGAAGACAGACACCC
AATGGAGTTTAGTGGAGTGATGAAGATTTTCAGGAACTGATAAAATTTGGTAGAGATCGAGCAAAACAGTACCCAGTCGAGATTATC
AAAAAGGAACTCTACAGACAGTCGCCCTGTTAGTGTAACTATCGAATTTGGCTCAGTAGGCCCAAGATACCCAGCTGTGTTTATGGGA
CCTTACAGAAGACATCCTTTTTCCTCATCAGCCACTTTCAAGGACAAAGAACACACAAATGTGTATGAATGCCACAA

Q9925472.Seq
 TTGGATAACCAAGCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGCCAGAGTGAATGCCTCCT
 GCTGGGAATCCCAACAGAGTGTGAAGTTCACTGTCAACACAGGACATTACACTATAAGACCGGAGACACCCCTACAGCTGAGTAACGC
 IGAGAAATATGCCCATCCTGTGGAGCGGGCACACAGCCGCCAGCTATAGGAACAGCCAGGGGGAAGTGAAGTGAAGTGCCTTAG
 IATTCAGCGCTCTGAGAAGGTAA CAAGTATCTGTGCCCCCACCACGCCATCATCTCTGGAGTTTGAGCTGGACGTGGTGTG
 ITTGCTGCCAGAGGCCGGTCACTGCTTAATGGAGAGGTGCCCCACAGAGGGGGGATCAGCTGGACTCACACAGAGCAGCAGCAA
 CACTACAGAAACAGAGGTTACTGTTGACTGTCCGTGGTCCATCTATTCCAATATCGTCACTGTCTTCCAGCTGCCCTGAGAGC
 TCAGCACACTCTGCTCTCTCCGGGACCCGGAATATATTCAAGTTTGTGTGGAAACACAGTGTGAGTTCCAGTTCCAACTGTCTCGGA
 CAGCAGTCTCACCTCCACACAGGGAATTGAAGTTCCGGCCCCCTGCA CCAAGCAGGTATCCAGGAACCTNCAGAGCCAGCAG

Q9925473.Seq

ANATTTGTANCCATGCTACTTGTCTTTTTCAGGATCCCTCGATTTCGAATTTCGTGACCCACGCGTCCGGGTGGGAGAAAAAAC
 AGCGGAAACCTGCGGACCAGACAGCGACATTGTAGAAACAGAAAGACCCGCCCGCTAATCTGCCCTCCATCCTGTGCCCATGGCCG
 ATACCAAGGATAAACCCAGAAGAGCGTGACACCTCTGTTGACAAATACAGAAGATTCAAATCATGACCCCTCAATTTTGAGCCCATAGTTT
 CACTGCCAGAGCAAGAGATTAAAGACACTTGAAGAAGATGAAGAAGAACTATTTAAATGCCGTGCAAAAGTTGTTTCGATTTCGATCAG
 AAAATGACCCACCGGAATGGAAGAAACGGGGCACAGCGCATGTAAATTTGCTGAAACACAAAGAGAAAGGGAACAAATTCGTCTCTTGA
 TGAGGAGAGACAAGACACTGAAGATATGTGCAAAATCATGCTATTACCCCTGTGATGGAACTGAAGCCTAATGCGGGAAGTGACCCGGG
 CATGGGTTTGGAACACATATGCTGATTATGCAGATGAATTGCCAAAACCTGAACCTACTGGCTATTTCGATTTTAAATGCAGAAAATG
 CACAGAAGTTCAAGGCAAAATTTGAAGAAATGCAGAAATGAAGTGAAGATTAAGAAAAAGATTCAACCCAAAAATGATAGG

RefSeq

Q9925474.Seq

ATAANCAAGCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGACCCACGCGTCCGCCGCCCTCTCGCTTTCCTCA
TTCCCAGATCGTTGTGCTCAGACATGCCGTACTACCGCACCTGGGAGGAGTTCAACCCGCCGCCGAGAAAGCTTTACAGGCCGAT
CCCATGAAGGTTTCGTGTTGTGCTAAAAATACAGACATTGTTATGGGAACCTCTGCATTAAAGTTACAGATGACGTAGTGTGTTACAG
TATAGGACGGACCCAGGCTCAGGACGTCAAGAAAATCGAGAAAATCCACAGTCAGCTGATGCCGACTAATGGTTGCCAGGGAATCCCCG
AGGCTGCCATGGAAACAGACTGAACTGTCTGAAACTGAAGAGAGAAATGGGCTACGGCGGTCACATTAACCCGGGGGGGGGGAGGG
GGGGGAGAGAAANACTGNNNANNTNNNNGANACNGTNNNGTNCNGNCGCTNANA

Q9925474.Seq

ATAANCAAGCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGCCGCCCTCTCGCTTTTCCACTCA
TTCCAGATCGTTGTCTCAGACATGCCGTACTACCGCACCTGGGAGAGTTCAACCCGCCGCCGCGAGAGCTTTTACAGGCCGAT
CCCATGAAGGTTCGTTGTGCTAAATAACAGACATTGTTATGGGAACCTCTGCATTAAAGTTACAGATGACCGTAGTGTGTTACAG
TATAGGACGGACCCAGGCTCAGGACGTCAAGAAAATCGAGAAAATTCACAGTCAGCTGATGCCACTAATGGTTGCCAGGGAATCCCCG
AGCGTGCCATGGAAACAGACTGAATGCTGAAACTGAAGAGAGAAATGGGCTACGGCGGTACATTACACCGGGGGGGGGGAGGG
GGGGGAGAGAANACTGNNNANNNNNGANACNGTNNNGTNCNGNNCNGCTNANA

Q9925475.Seq

FTTNGNAAATCCNTGNNTNNCCA CTCTAAATCANGACNNGGANNCCATCAGATT CGAAATTCGGTTNNACCNCA CNCCGTCCC GG
CTGAACATANGGANNAGNAANTTTTNNTTTTCNCGNNANCCAGTATTNGTCANNNGTCCCTGCAAAATNTCNTGTCCCTNTCTGGTC
ANNANTGNAACACANCGAGGTNAGAAATACATNAAGTCNNCCCTAGNGGTGAATCTCCCTNCTGNNCCACNNCGTGNNAACTACNCA
TNGAACNNGNNCAGTNCNNGNNCGGTTAANGNATACCNANTGNTACNTGGATNAGCNTATCATCGAGGGANANCCNANTNCCNGCTT
TNTGATCCCTGCGNTATTGNNACTTTATNCA CATATNGTNTATGNCNNNNAANGCANGAGGGCTTTTNTTGGGANCGGNANAAAGAN
GGTGAGTGTNNTANTNAA AANTCNTNAAATCCCTGGGAACACTNTNCANGNCCTGAAACGAATGGATNGNNTACATTGCGTTATNTG
TTNCGGCNTTTTNTCTNNGANGCA TACCGNNANGGATCTNNANNTNGATNTANNCTCGTGGGAACAGCTNCGTCCCNNNANNCANN
NATGNACNCCNCCANCGCTNTNCNCTACCTTNCCTGNGNANTCANNANCCGGCAATNNGATANCCATNCNNATNCNGNATNACAA
CTCTTCGNTCCCTNANANGA CCCCNNNACATTNNCANGCGTCCCNAGTAGGANCGGTNANNCCNCGTTCGNGCTATATGCANNNNACA
NAANTNNTTGCCCTTGNGTNTTAANAAGGNAANTTTNNANANTGCCCN

Sequence 2430

Q9925477.Seq

AAANCAANCTCTTGTTCTTTTGCAGGATCCCATCGATTCTGAATTCGTCCGACCCACGCGTCCGGGGAATAACTGTGCTCTTATACT
TTTGCTTCTTGTCATCTCTTCCCTCCGAGTAAACCGCAGCCTATCGTATGTCGGCTATACAAACCTCCAGCCTTTCGACCCATTG
CTAATGTCAGTACCGTGCCCTTTGGCTCCAGCTGGGGAGAGGATTCCATCCATATAAGGATCCAGCAGAGGAACGGCAGGAAGA
CCCTCACACCGGTACAGGGCATAGCCGATGCCCTATGATAAGAAGAAAAGTCAAGGCCTTTAAAGAAATTTGCCGTGCAATGGTA
CCGTGGTTGATCATCCAGAAATATGGAGAGGTGATTGAGGAGGTGATTGAGGAGATCAGCGCAAAATGCTGTGTCAGTTTCTAATGGAGGTTG
GGTTGGCAAAAGAAAGACCAAGTTTCAATGGTTCTAACCTCAGTATCTGCAATTCGTTCCCCCCCCCTGCAGTGCAATGGTCTC
TTCCAACTTCCCTTCTCAAGACTAAACAGCAGCCAAAGCTCTTGACATGTTGCCCAGAGTAACTGTTTATGGACAATTAGTGGG
ACCAAGTGCGTTTATAAGGCTGTAGGTCTGTCTGTCTTNCAGCTGGAAATGTTTTCCTGCTGCCGGCATCAATGCACCCCTGTA
ACCAACATGACTTTTNTTAAACACAGACTGGGGGCGTAACGTGAGACTCACTCTGN

Q9925478..Seq

ATCAAGCTCTTGTCTTTTGCAGGATCCCTCGATTTCGAATTTCGACCCACGCGTCCGCAGACTCTGTCCAAGAAGAAGAACTTC
 CACCTCCAAACAGGCTGGAGTCTACCTTAACAAAACCTTGGAAATACCATATCCAGCCTGTTTGGAGGTGGAAGTTCTGTTTCTGAAA
 CTAAGAGAAATGTTACAGACTCTGTCCAGAGAAAGATGAGGTGCCAACTGAACCCACAAAAGAGGAGCAGGAGTCTGCAGATC
 CAGCAGATAAACAGCAGGACAAAGAAACAAACAAAGAAAAGGTACCTCAGCTACCAATGAGAAAGAAAGGAAAAGGAGGAGG
 AAAAGGCAGAGCCCCAGGAAGGAAAAGAAAAGAGGAGGCTGGTAAGGAAGAAACCTCTGCAAGGCTCCAGAGGTAGATGACAAAG
 AACCACAGCCCCAAAGAGCAAAAAGTTGGTGGATGATATTGGTGTAGAGCAGATATTAAATGATATTCCAGATTTTCATAGAGAGG
 AGTTAAAGAAAGCTGCCAAAAAATTTCAGGACCTGCCCCGAAAGAGACCTTAAATAGCATGAGCGAGAGGAGCAAAACAGTTTAG
 AAGCATTTATTTTGTAGACCCAGGATAACTTGCCAAAGCGGAGTTTAAAGGGTTTCNCTTCTTGACCAAGAGAGGAGATCTCTACA
 AACTAAGTCAGGCTNCCCTGCTTGAGGATGAAGGATNTGCNCCACCCCAANGA

Q9925479.Seq

ANATNCAANCCTTCTTGTCTTTTGCAGGATCCCATCGATTCCGAATTCGTCCGACCCACCGCTCCGCGGAGAGAGCGAGAGAGCG
 SATCGGGCTGTTTGTGGTGTGGTAGAAAGTGTGGATCGCTGAGCAGTTGGGCCCCCTGTGTGCTAGAGATCCCCGAGCT
 TCTTGTCCAGGGGCCACACACTCGTTCTTGGCCCCAGTCAATGGCCAACTCCGGGCTGAGCTCCTCGGCTTCGTGCTGGCGATGTTGG
 GTTGGATCGCACTGATCGCAGCGACTATTATGCCCCAGTGAAGATGTCTCGTACGCCGGGACCCAGATCATCACCGCCGTGGCCA
 TTTATCAGGGACTGTGGATGAGTTGCCCACTCAGAGCACCGGGCAATCCAGTGCAAGTCTATGACTCCATATTACAGCTGGACG
 CATCTCTGCAGGCCACCCGGGCCCTCATGGTGGTCTCCATCATCCTGGGCATATTGGAAATTGCCGTATCTACCATGGGCATGAAAT
 GCACCACTGTGGGGAGATGATAAGTGAAAAAGTCTCGCAATTGCAATGACTGGTGGATTGTCTTTCTCCTTGGGGTCTTGCAG
 CTCATATTGCCCTGCTCCTGGTATGGCAATCAGATTATTTCGGGATTTCTACAACCCCTNTTTTGGCCAATCAATACCAAGTATGAGTTT
 GGGTGTGGTGTGTTCCCTTGTGGGCCCGGTTCCCTTNCCTTATANGANGANGCCTG

Q9925481.Seq
 AAATNCAAGCTCTTGTCTTTTGCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGTTATAATCTTCAAGGAAAGTTGA
 GTCAGTGGGCTAAAGCAGCCACCTGTAAAGACAGCGTCAAAGCTCACTCAATCATTTAACCCCTTTAATTAGTATAACTAATTCTTA
 AACCCCAACAATACTGAGCTATTCTATAAACTATAGAAGCACTTATGCTAGAACTAGTGTTCATTTTCAATTTTAAATTTCAATT
 TTTTCCACAAATAAGTATTTATTTCCAGGCATTTTGAAGAAAGAAATATACGACTCGGTCTAATTGTCAACACCCCTCCTCTATC
 CATCAACCCCGCCCTCCATAAAGCGGCCACCGCGGGGTCTCGTACAAAGGAAGCCGCTTTCCCTCTCTCAGTTTCAAGATTCTCGTTGCT
 GCTCACTCGGAATCTGCAGGAGCAATGTCCAGGCCGTGAGGAAAGTCTGATTACTCTCAGTTTCAAGATTCTCGATTGAT
 GAAGACTATGGAAAAGAGTCTGCTCCACCTTTGAAGAAAGCCGTAGATCTTCTAGAGAACTAAAGGAAAGGAGGAGGCTGGGAAA
 ATTCACAAGAAAGACAGTGATGAATCTGAAGAAAAGGATTCNAAGAAACCCAAAAGGAGATCTGCAGANGAAGACTTTTGGCAG
 TGGAGATGACTTGGCAGAGGAGATGGAAAGGCNGACAGTGATTTTGAAAAGTCCCAAT

Q9925482.Seq

AAATCANNCTCTTGTCTCTTTTGCAGGATCCCATCGATTTCGAATTCGTCCGACCCACCGCTCCGGCGCTGTAGAGTTTCCCCTCTGGG
AAGCATTCGGCCATTCCACGGAGGAGCAGGCGGTGCGGTAGGAGAGTCA CGTGTGCAGGTAGTGGTAGCGGACTGCGTGA
GGCACCGAAGTCTTCTCAGGAAAGGGCTTAGCGCTCCCGAGGTGGCGCTTCTCCGAAACCCCGACAAACGCGACTACTCCTGCC
CCCGCCCCGGACTGCCCTTCTCTACTTGTCAAAGCACAGAGACGCCCTGCCACGGTCATACAGCGAGGAGTCCCTGCGTCCCCGGG
ACTAGCGCCCCCTGCAGAGATGAAAGGTAGCCGGATTGAGTTGGCGCATGTGACTCCACATAACATAAAGCAGTTGAAGCGGCTGAA
CCAGGTCAATCTCCAGTCAGCTACAATGACAAATTTACAAGGATGTGCTGGAACTCGGGGAGCTTGCCAAACTGGCATATTTCAA
CGACATTGCAGTGGTGCAGTATGCTGTAGAGTGGATCACTCTCAGAAATCAGAAACGGCTATATATCATGACACTTGGGTGCCTGCC
CCATACCGCAGCTTGGAATAGGAACAAAATGCTGAACCATGTTTTAAATATTTGTGAAAAAGATGGCACCTTTTGACAAACATTATC
TTCATGTTTCAGATCAACAATGAATTCGGCCATAGATTTTACAGAAAGTTTGGATT

Q9925483.Seq

TCAAGCTCTTGTCTTTTGCAGGATCCCTCGATTTCGAATTCGTGACCCCGCGTCCGCAAGACACTGGCTCCGAATGTGACTCTCT
 AAGTTCCTCAATGGGAGAAAGACAGTCGAGCTTTGAGCGCAGCAGGTAAATGCAAGAAAAATCTCAAGAGAAAAACATCTTGTGA
 AGAATCCTTATCTGGAGATTCTTCATCAGCAGCAGATGCTTCCAAAGGCATGTCCTGATGCCCCAGGCTGTCAAGAAAGCCAGAGCAT
 GGTGTTTAAACCCGGCTAGCAAGGTGTACAATGGTATTCTAGAGAAATCCTGCAGCATGCAGCAACTCTCCAGCATTTTACCCAACTC
 TAAGCCGCCCTTCCCTTCTTCCCTTCCAATGCAACGATAGCAAAACCCGTCCAAGAGTCCACCGAATTCCTGTCTCAAGACCCAC
 GCCTCAGAGCCGTCCCAATGGAGAAAAAGCAAAAAACAACTCAAAATCAAAAGTCCCTTTTAAAGAGATCTCAAAAGTAAAAATTT
 TGAAGGCCATTCAACTTTAAAACTTGTGATTTTAGGAATGTAACTCCATAGGAGTTTTCAGACTGGGGATGTTCTAGTGAATG
 CTCCGAAGTTTGTCTACTGGTTTAAAGACTAGTAAAAAACAACATCATGATCATGCTGCACTGAATTGAATCGAAA
 AGTGGATCTGTTTACAGNCCTTNGNCTATTTTCTGCTTTTAAAGGTTT

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

Q9925484. Seq

Q9925484.Seq

1AATCCAANCTTCTTGTCTTTTGCAGATCCCATCGATTCGAATTCGAATTCGTCGACCCACGCTCCGTAATTTTCGGCTGCACCTTTTGT
 3GCTTCGGCCGGCTTTGTCCCTGTTTATCCTCACTATCGCCGTGGACCCGCTGAAAGTCATCATCTAGTGGCCGGCTCTTTCTTT
 TCGCTGGTGTCTGTTTTACTGTCTCTTGAATTTGGTTCACTCCGTCCAGATCAGCAAACAAGATGACGCCAACCTGCAGTACGG
 3CTCTTGATAATTTGGCGGGCCATTTCTGTTCTGCTACAGGAGACTTCAGATATGCCCTACTATCGGTACTCAAGAAAGCAGATGA
 3GGTCTTGCTACGATCAGTAGGACGGAAGATCTCCAATATCCATCCAGAGATGGCCTATGTTTCTGGCTTCTCTTCGGGATAAT
 CAGCGGGGTGTTCTCTGTCAATTAATACTGGCGGATGCTATTGGCCCCGGCAATTGTGGGAGTACATGGCGACTCGCAGTATTACTT
 TCTTACTTCAGCAATTCCTTACCATGGCCATCGTGTCTCGACACCTTCTGGGCATTTGTGTTCTTCGACGCCCTGTGAGAAGCGGAA
 GCCTCTGCACATCGTAGGAGTGGCCTCAGTCACCTGGCACTTNCGGTTTGACTTTTCTNAAACCAATGTATGAAGCCAGTCTGATTN
 CAAATTACATAATCACCCCTCGGTATGGCAATTGNGGGCTTTTGGGGCTGCAGGGG

Q9925485.Seq

AAATNCAAGCTCTTGTTCTTTTTCAGGATCCCTCGATTTCGAATTCGTCCGACCCACGCGTCCGGCCACATCAAGAAGGGCCCTATGGA
TATGTTTCAAGTCCCAATGAGATCAGGAGCAAAAGGATGATATTGATCCCAGCAATATGATGCCACCTCCAAATCAGACTCCAGCTCCT
GACCAGCCATTTCAGTTTGTCTCTGGACCGAGAAAGATCCACCATTCACGATCCAGCATGAAAAAACTGGGTGTACCCCTCTGAA
CAGATGTTTGGAAATGCTATGTTAAGAAAGGATGGAGTGGAAAGAGATGATCTTAAACCTGAAGATATGACAAACATTATCAAA
ATTCAACAAGAAACAATGAGCAGGCTGGTCAGAAATTCGAAAGTGGGAAGCTCTCCATGCCAAAGAAATGTCCTTGTGTCCTTCA
TTGGTTCGTTTTCGAGGAAAGCAAGGAGTTTCTCAAGAGCACGGATGCGTTTCATGGATGGGTATGAGCTTCGGTTTGATCGG
CATGATTGGATTGTTGACCGCTGTGGAAGAAAGTTCGATATGTCAATTGACTATTACGATGGAGGCGAAGTCGATAAATACTATCAA
TTCTCAATTTTAGATGTCCGCTGCATTTGACAGTATGGGTGCCATCTGGGACAGAAATGAAAGTGGCTTGGTGGCGTTGGACATCAT
ACCTGGNTGCTTTAAAGTCATCTGAAGCCTGTNTAACTTTTGAAGCTGTTTAT

404220 24607660

Q9925486.Seq

TTGANATCCATNCTCTTGTTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTCCGACCCACGCGTCCGCCCTCACACGGGTGGCGCACT
TGTCCTCAGCCGGCGACATAAGGCGCAGTTTCCCTGTTCTGCCGCTGCCGGGTGTAGCCAGTGCCTCTCCCGCCATGGATGAGCA
ATCTCCAGACATTTCTCCAGTCACTCGGGGACGAGAGGAGCCGGCTCAGCCGGGGAGAGGAAGCCTTGGGATGATTTCCGA
TGACGTGCTGGACCTGACCCGGGGAGCGGGACAAATCTCTCAGCCGTTCTCTGGATCCCA CCGGCCCGGGACAATTGAGGAGGAGGA
GGAGGATGAGGAAGAGGAGAGGGGCGCTTGGAAGGACAGTCTGGAGCCTTCGCCCGTAGAGGAAGAGCCCGGACGATCGACAGCAT
CAGCCCGGTGCCCCACTCCCCCGCGTGGCCAGCGCCCCCATGGAGAGCCCGAGAGGCCCGCCAGCGCCGTGTACTGCCCCCTCC
GGATCTGTGGACAAAATAATGGAGCCTTATAGCACTGTATCTACTGGCCAAAGAGGAATTTGCACTCTGTGCTTCACTCACTGAT
TCCCTCTCTTCTTGTCTTCTTGTCCACTGATTCTTCTAAAGAGCATGCAGAAACTGTCGCTTTTTCCTACTGGCTTAGCTGCCACT
GAAGCTTTGCAAGAAACCCACCGATACATGTATAGCGTATCGANGATCCCCGGTCAATTACN

Q9925487.Seq

AAATCAAGCTCTTGTCTTTTTCAGGATCCCATCGATTCCGAATTCTGACCCACGGTCCGCTCTCATTTTATATGTCACTCAAC
AAGGTTTAAAGTGTGAAACCTATTGGCAATTGCCATTCTAATTTCATCTTGGCAAGCAGGCTATGTGAAGACTATGGCAGGTTGGATAG
TTTGATCACTTCTATTTCATGGAACCTTGAGCATCAGCCTACATGGGCACAGGCATGTTATTTTCGGGTGACAATCACAGCCCTG
ATGTGACCTGCAGTGGTTTCTATTATACCTAGTAGGAAACATTTCTGCTGGAAGTAATGCTGATCAAAACTACCCATGAGCCATAGT
TATCCCGCTGCTCATATAAGCAGCGGCATATTGTTGCATCACAGGCAGCAAGGTGGCGCAGAAGTTTAGATTAAGATCTCTGC
CTTGAAAGGGATTCCCATACCTGCTTTTCAGCTCAGTTAACTTAATACCAAGGTGGTTTAGAGTTTAGAATCTTGACCCACAGAAA
CCTCTGAGATCCTTCTTCCAAACCGGTATTCGGTTCAGTTTCAACATCTAGTTAGTCACTATTTAATTCACAACAACCCCAAAAAA
AAGCCAGTTNTTTTATGAATAATGTCCGCTGCATCTTTAGTTTCTTTAGCTAGACAGCAAAAAAAGTTTGGGGGGGATCGTTGTGGANA
AAATACCAAAAGGGCCATCTGATCATGGGGATGAAAACTTANGACAGCCNGATGGGNN

Test 40" Ch 60T 600

Q9925494.Seq

ATATNCAAGNTCTTGTCAGGATCCCATCGATTTCGAATTCGTCCGACCCACCGGTCCGCAGTAAGACAGGAGGATAGGAAC
CTGCAGTTAACAGTTTTGCGGCAGGTGTAAGTAGCGATCTGGGTTTGGGCTGTGTAGGCAAAATCGGGGCTGTTGGACTGCGTTAG
GAAAGTGACACTGTGTGGGCACCATGACAGCGGTGTAAGGAAAGAACACGACAGGACCCGTAAACACCCGCCCTCCTTCTGAAGT
CTGGAGCTCACTGACAGCCGGGGCCTGGTGATCTAAGGAAAAGACAACTCTCAAAATCTGAAGTGCAATATGTTCTGATTGGAGAA
GCATGTGGATGGCAAGGAAGAGATCCCTATAACTTACTGCTACTGAAGCAAGATTGGATCTCAAAATGATGAACCCCTTTTGGAAATAT
GTCAATCCGCTTCTGTCGCAAGAGATCTGAGAAATGATGAGAAAGATTTCACAGGAGACCAAAAGATAAGCCGCCCTCGTTCTTCTTC
TGCCAAGAAAACAGCTTCCTCCATACCCCAAGAAATGCAGTTCCCTATCACAAAGCCCATATTCCCATCCCTATCTGTACAGTCCACAAA
TGGGACTCACGCATCTTATGGTCCTTTTATCTTGGAGTACTCCCTTCTAGCAAAAGTTCAATTTGGTGGTAAACCANAAGTTGCCT
GGTGGTTATTGTGCACCTTCATATCCTCACATTTGATGTGGGTTGGAGTAATA

Q9925495.Seq

ATATNCAAGNTACTTGTCTTTTGCAGGATCCCATCGATTGGAATTCGTGACCCACGCGTCCGGCAGCTCATCATTAATCTCT
 TATTAACTGGCCGCCCTCTCGCGGACCTCTCAGTGCCATTGTATCCCGGCACCCGTACTTAGTCACGTTGCGCCCCCATCCGGGT
 GGTGCCCTCGCCGAGTGCTCCGCTTCTCGCCTTCGGGCTGAACGGAGAACCGTCGCCATGGGATGTAATCTGAG
 CGCCGAAGACAAGCGCGCTGGAGAGGAGCAAAATGATCGATAGGAACCTGAGGGAGGACGGAGAGAAGGCTGCCCGGAGGTGAA
 GCTGCTTCTGCTCGCGCTGGGAACTCGCAAAAGCACAAATGTTAAACAAATGAAAATCATCCATGAAGCCGTTACTCAGAAGA
 AGAATGCAAA CAGTACAAGGCACTTGTTTACAGTAACACAATTCATCCATTATTGCCATTATTTCGGGCAATGGCAGACTGAAGAT
 AGATTTTGGTGATCCCTCAAGCGGATGACGCACGCCAGCTTTTGTATTGGCTGGAGCAGCAGAAGAAGGTTTATGACTGCAGA
 ACTAGCTGGAGTTATNAAAAGATTATTGGAAGATGGTGGTGTGAGCGGTGTTTCACANGTCAAGAGAAATATCAGCTCAATGACTCT
 GCAGCATATTATCTTAACGATTTCGACAGGATAGCACAGAACAAGTTACNTNN

Q9925496.Seq

AAATNCAAGTTACTTGTTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACCGCTCCGCCAGGCCGCAAGACAACCCGAC
TGCTCTTTTCCGAGTGTCAATGGGCCGTTCCCGGAGCCCGAGCTCTTCTCGATCAAAAACACGTAAAAAGCGGCAAAACACAACAAAAA
CGAGCCGCTCCCGAGAAAAGGAACGAGTTAGAAAACGCTCAAGTCAAGGAGAGTAAGAGGAACCGGCCCGGAGTCTCGCTCT
AGTCCCGCTCGAACACCGCTCTCGAGGGAAAGGAGAGACCGGCATCACCGCCGACAGAAATCGACATCTTCGGTCGCACAGTG
AGCAAAAGGAGCAGCCTGGACGAGAAAGCAAAAGCGGGAGGAGGAGAGAAAGCAGAGTACGAGAGGCAGCGTAGGATTTCGCCAG
CAAGAAATTGAAGAAAAACTCATAGAGAGGAGACGGCGGAGAGTAGAAGAAATTAGTTGCCAAGCGTGTGAGGAAGAGCTGGAG
AAGAGGAAAGATGAAATTGAGCCGAGGTTCTACGCAGGTTGAGGAAGCTAAGCCATCATGGAAAAACAGTTGCTCGAAGAACTCG
AGCGACAGAAAGCAGGCCGAGCTATCTGCCAAAAAGCCAGAGAGCTCACCTTCCTTGATGTTTCTTATAATTTGGGTGAGCTGCTGATG
GCAGGTGTTTCCAGCTTACAGTTCCAATTCNTTTTAAAGAAGGAAGCTTGGCN

Q9925497.Seq

3NNNNNNNNNTTGGANATNCAAGTTACTTGTNCTTTTGCAGGATCCCAATCGATTTCGAATTTCGTGACCCACGCGTCCGATACA
 3GACTTTTGTGGGGGATATGGCAGCTATAGGTACACAGATCTCTCTCGTTTATTTTGTCTCACAAGTCGGACACTGGGA
 CTGTAGCCCTTTAAAGTTAACTTTGGGAAGGCTGATGTTCTGGGCTTATTTGCTATTACAGGTGCTCAATGAACCCAGTGCTCAT
 ACCTGTAGCAACCAATCAAACTCTTTGATTTTCACTCCCTGACTGATTAGCACTTGTGTTGATTGTTACTTAATTAGCACCTATAA
 TATTAAATGAGCCCTCTTTTACTTACTATAGGAAGTATTTTACTTGGATCTGCACAACTTACCTGGGATTAACCTGGACTTCGCA
 CCTTCTTGTAAATAAGAAATGCACCTTTTAAAGTTAAATAAAGCAATATGCTCTTTGTATTTTTAACTAGCGCGGCACTTTACCCCCC
 CACCCGGATTTTGTATGGCTGTACCCATCCCCCTGTTAGAAATGTTACCAAGTTTGGCCGTTAACACCCCTTTTATGTGTGAATAAGATG
 CCAAGCAAAATACCAACAACCTCGTATCTGCAGACAGGTTAGGATATACAGCTGAACAGAGAAAGTATATAGCACAGCTGTCCGTG
 CCACGGGCATAGGACTGNGAATGCTGCTTCAAATCTGTATTTTTTTTAAATAAATAAAGTGAAT

Q9925498.Seq

ATATNCAATTTCTTGCNCTTTTTCAGGATCCCATCGATTGGAATTCTGTCGACCCACGCGTCCGCAATTCCCCAGTAGTCACCGGA
 GCGGAGATCCACTAGCAGACAAGATGCCAGAAAGTTGCCACAATGGCGAGGAGGTGGAGACATTTGCCCTTCCAGGCGGAAATTG
 CGCAGTTGATGTCCCTGATCATCAATACCTTCTACTCCAAACAAGAGATCTTTCTGCGAGAAATTAATCTCCAACGCTCAGATGCCC
 TGGATAAGATCCGATATGAGAGCCTGACTGACCCATCTAAGCTGGACAGTGGCAAGGACCTGAAGATCGACATCATTCCTAACCGGT
 TGGAGCGCACACTGACTATGATTGATACCGGAATTGGCAATGCCAAGCTGCATCAACAATCTGGGAACCATTGCCAAGTCCG
 GCACCAAGGCTTTCAATGGAGGCACTACAGGCTGGTGTGCTGACATCTCCATGATTGGTCAGTTCCGTGTGGGTTTCTATTCTGCATACC
 TGGTGGCAGAGAAGTTGTGGTCAATTACCAACAACAATGATGATGAGCAATATGCTTGGGAATCCTCTGCTGGTGGCTCCTTCACTG
 NGAAGTTGATACTGGTGAGCCCATTTGGCCGTGGTACCAAGTCAATCCTGCAATCTGAAGGAAGATCAAACTGAGTACCTGGAAGAGA
 AACGTGTCAAGGAAACTGTAAAGAAGCATTNCCAGTTTCATTGGCTACCCCT

Q9925499.Seq

ATATNCAANNCTCTTGTCAGATCCCATCGATTTCGAATTCGACCCACGCGTCCGTGCAAGAGCCGGTGAGCTGTG
 CGTGTAGTGTGGAGAAAATGTCTAACCCGAGCCCAATGGCCAGCCTTCCAACCCCTCCAACCCAAAGGTGTTCTCTGGATGCGGA
 ZATCGGAGGAGCGCGTGGTTCGAAATTTGGAATTTGTCGATGTTGACCCAAAATGCAAGAAAATTTCCGTGCCCTATG
 IACCGGAGAAAAGGGCATTTGGCCAAATCAACTGGAAAGCCTCTTCATTTTAAAGGATGCCCATTTACAGAAATTAATAAGAAAATTCAT
 ZATCCAGTGTGGAGACTTCTCAAAACCAAGATGGAATGGAAGTAAATATGGGAAAATTTGAGGATGAAAATTTTCATTA
 TAAGCATGACAAAGAGGGTTTACTTAGTATGGCTAATGCTGCCCAAATACATAATGGCTCCAGTCTTTATCACCACTGTACCAAC
 ACCTCATTTAGATGGAAGCATGTGGTTTTTCGCCCAAGTCTAAAAGGATATGGCATTTGTCAAAATATTGGAATAATGTTGAAGTAAA
 GGATGAGAAAGCCTGCAAAAGATGTGTACGATAGCAGAGTGTGGGAAGTGAATGACAGCAATGAGTGGATGGCTTCTTCATCAGATGG
 GTCTGGCGACACTCACCCCTGATTTTTCNGAGGACTCTTGATGTAAAATTTAAA

Q9925500.Seq
 AAATNCAANNCTTTTGCAGGATCCCATCGATTGGAATTGTCGACCCACGCGTCCGCCAGAGATTCAAACCCAGGCTG
 TTTTAAATGATGGATGATGACACCCCTAGTCAGGCTTATGATGTTGCATTGCTTCTGTCTGGCAGCAATTTCTGACCGCATTG
 TGGGGTTTGTGCCCCAGGAACATGTGTCTCACCCCTCAGGTATATAGCTACGGTAGCTTTGAGCTAAAGGCACACATACAGAAA
 CTGGGGATATGTACTCTATGATACTCAATTGGGGCTGCCCTTTTCCACTCCGACTATCTCCGTCTCTTCGAGCAGTGCCTGCCCTCCA
 TCCATAACATGATAGATCAAAACACAGAACTGTGATGATATCACTATGAATTTTCATGGTGGCCCAATCACTTGGGGAAGGCGTCCGGGG
 TACTTGTCAAACCTACAGATATGAGAAACCTGGAAAAAGAACGAGGAAGTGGATATACAGGGATGTGGCACAGAGCAGAAACATCTCC
 TGCAGAGATCCTATTGCTTGAACAAAGCTGGCTGAGATTTACGGCCAAATGCCCTTGAATAATTCAGCATTATGATCTCACAGTTCCG
 CTTCCCAACTATGCCAACCCACAAATCTAAGATATAGGGAGTTATTATCAAGCTCGGAATATCCGAACCTCGAATAAATTCGTCTGTTT
 TTGGANGAAAAAAACAACTGCAAAATATTCAAGAATTATTGGAAGTC

T344242460T560

Q9925501.Seq

ATATNCAAGTTACTTGTTCTTTTTCAGGATCCCATCGATTTCGAATTCGACCCACGCGTCCGGGTGCTGCCGGTCTTTCGGGGC
GTTCTGTAGTCACGTGAGCGCGCAGCCAAACCCGAGCGGACTGGGAGCCCTCTCCCGACGCCCTTCTCTCAATTGCGCAGTCCG
GCAGTTACATCGCCAGGCAAGCAGGTCTTCCAGTAAGCGACTGTCTCTGTTTAAGCATCTAGACCCACACACCTCTTACAATG
CGTCCCATGCGCATATTTTGTGAATGATGACCGCCATGTCAATGGCAAAGCACTCTGTGGTGTATCCACTCANGAGGAGCTGGAGGCTG
TACAGAAACATGGTCTCTACA CAGAGCGGCCCTAAAGGCAGTCTCAGACTGGATTGACCCAGCAAAGAAAGATTGCAGTGGAGAGCAA
GAACAACCAATGGCAGAAAGAAACCGAGACAA CAGAGGAGGGCAAGGACAGTGAATGAAGACTGGAGAAAAATCCAACAAAGGACTCTT
CGTGGCGTGATGAAGGTTGGACTTTTGTGCCAAAGGGCTTCTTCTGAANGGAGACTTGGATCTTGACTTGTCTTGTGTGCCANAGA
TAAACCCACAATTCNTNTTTTGAAGGGTGCTGATACCCCTTGTNTTGCANTTTGAGACTGTGTNTGAGGATAAAATTTGAAGGTC
TTNCCGAACATTAAAGAAAAAGNTTTGATTGTTNTCAAAAGCCTTAAANANCCCC

Q9925502.Seq

AAATNCAAGNTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGATTCCCCAGTAGTCACCGGGAG
CGGAGATCCCACTAGCAGACAAGATGCCAGAAAGTTGCCACAATGGCGAGGAGGTGGAGACATTTGCCCTTCCAGGCGGAAATTGC
GCAGTTGATGTCCCTGATCATCAATACCTTCTACTCCAACAAGAGATCTTTCTGCGAGAAATTAATCTCCACGCTCAGATGCCCT
GGATAAGATCCGATATGAGAGCCTGACTGACCCATCTAAGCTGGACAGTGGCAAGGACCTGAAGATCGACATCATTCCTAACCGGTT
GGAGCGCACACTGACTATGATTGATACCGGAATTGGCATGACCAAGCTGACCTCAACAATCTGGGAACCATTGCCAAGTCCGG
CACCAAGGCTTTTCATGGAGGCACTACAGGCTGGTGTGCTGACATCTCCATGATTGGTCAGTTTCGGTGTGGGTTTCTATTCTGCATACCT
GGTGGCAGAGAAAGTTGTGGTCAATACCAACACAAATGATGATGAGCAATATGCTTGGGAATCCTCTGCTGGTGGCTCCTTCACTGN
GAANGTTGATACTGGTGTAGCCCATTTGGCCGTGTACCAAGTCATNCTGCACTCTGAAGGAAGATCAGACTGAGTNCCTGGAAGANAAA
CGTGTCAAGGAAACTGTAAAGAGCATTNCCAGTTTCATTGGCTACCCCTAT

Seq43 24604660

Q9925503.Seq

TTGATANCCATTNTACTTGTGTCNCTTTTTCAGGATCCCATCGATTTCGAATTCGTCCGACCCACGCGTCCGAGCGAGTGTGCGGCCAGAA
AAGTTCCTTTTATGTGAATGAAGGCCCGGACTGGGGATAAGTGAATGACACCATGTCTGTGCCCCGAGGGACGCGGCTGCCGGGGC
TGATAGAACAAATGCGGTGACCTAAACCCAGGGGAGGTGAGGGAGACTGACAGACTGCTGGCAGCGGGTCTCTCCTTGGCCTCTGTC
CCCTATTTTCAGGATGCCCTTGTGCTTACCTTTCTGTGGCTTTTCCTTGGAGCTGTGCCAATGCCCAAGTTAAGTATAGTGGATG
AACAAACCTACCTTCAGGCCTGTTTACTCGCCGACCTTTTATATTGCTTGGAAATGCTCCCAAGTTGCCCAAGTTT
GATGTACACTTGGACCTAAACCTTTTGACCTTAATGCTTACCTAATGAGGGCTTTGTTGACCAAAATCTCACAATCTTNTACAAG
GAACGCCCTAGGCATGTACCCGTTTACAATGAGCACGGGGACCAAGTGGCTGGAGGTTACCTCAAAATGCCAGTCTACGTGCACAC
TTAGACAAAGCTACCAGAGGGTATCCAAAAATATATACGTTCTCGGGACAGGGATGGCTGGCAATAATTGACTGGGANGAGTGGCGT
CCTATNTGGATGCGAAACTGGCAAACTGTGTCNCCGTAATAATTCACC

Q9925504.Seq

ANATNCAAGTTACTTGTCTCTTTTGCAGGATCCCTCGATTCTGAATTCGTCGACCCACGCGTCCGCCGAGAGGAACAGCCGCTCCCTC
 CTGACGTTCCAGACAAAGTTGGCGCATATCAGCCAAAGCGTCCCGTATCAATTACAGAGATAGAAAGTGACTTGGAGAACCTTGACA
 AAGAAGTTGAGCAGCACAAAGGAGGCTCTCCGAGAGCAGTCAGACCTCAAGAGTTCCATGGGACCCTTCTGCAGCTTGTGAGGCC
 GAGCTCCGTGAGGTTCTGAACCTCTGCAGAACTGCGGATGCGCGCCGGGAACATCATGGAGTTTCTGCGAGGATGAGTCTGCT
 TTCAGGATGGAGGAGATGTGTTTGGTATTTCAGCACTTCTGTGCCCCGATTCCCTTCCGCTGTGCAGGAGAACCCAGGAGCGAGAGAAG
 GCAGAACACCCGCAAGGAGCGACTGGAAAAGCGCCGATCCATTGCCAGTGTCTCCACCCTTGACAAGGACCTTCAGGATGTGGAATT
 GAATTCTCTGCTCCGAATCCCCCGCAGGGGTGCTCAGTGAGGAAAGCCACGGCCACTTCCACGCACTTATAGACACCTC
 CATCTNTCCCAACCCATTGTGGAAGAACCCCGTGACTACAGATCCAGAGTCTCTCTTNNAGACATCATACAGAGGAGGAAGACCCCN
 CAGNCAACCCCCCGATCTTGATCCAAAGCAAGGACTCAGGAGAAAAGTCAGT

Q9925505.Seq

ATATCCAAGTTCTTGCCCTTTTGCAGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGGATTGTTCAATTTGAAAAATTTAT
TTATCTCCTAATTTGGTGGAAATGTTTATCGTGTGTTTCCATGGGACCATATTCACTAATCATCTTTATCCAGTCCTGGCTTCCAT
TGTGTTGTTTCACATAATCAGTTGGCAGTCTATTCAATGGTGGGCACTCGCACTGCAAAATGGCCCTGGCAAACTGCTTGCCATCTCTG
GCTACTGTATAAAGAAATATTACTTGCAAGAAGAAATCACTTAAAGTTGTTTGTAAATGAATTTGAGCCCTCATGCTATTAAACCCAGAA
GATTACAACCTCTAGCTATGGATAATTGATGAAAGAAAGTGAATAATACAGTTGATGGTGGAAATGAAAACTGGTTCTTCTCTGG
AAGTGCAACAACAAATATTAAATGTTTCTCTTACTTGTCTCTTCTTCTGCACTGCTGGGAGGCCCTCTGTGCTCCTTTGTAGAAATTT
CATAATCAAGTCAGTGAATCTCATAGGCGTAACTACCCGTGCTTCAAGCANGTAACCAAGGCTGCTTGTTCGCTTTAATCTTTGCAA
ACACTGAGAAATATTGGTTTCTATCAATATTAGCTCTCANATGCTCTATTGAGCTGTAGGCACCTTAAATTTGNGTATATATACTATGTGG
CCACACACTGCTATTTNAACTGACTATTCTNCCATGGGTACCTG

Q9925506.seq

AAATNCAAGTTACTTGTCTTTTGCAGGATCCCATCGATTTCGAATTCGTCCGACCCACGCGTCCGTATTAATGTATATAAAATTAAAG
 ZATTGTGTCTCATGGGTCTCCAGATGTTCTTGAACCTAGAAAGTTCCAGCATCTACCAACAGAAAGATGGTCTCTCCATGCAATGCT
 GTTGGTTCAATGAACATCTGGAAGGTTGGTGGTTGCCCAACAGAGTGTGTACATGCAAGATTGGGGAGCTAATATATATGTTTACACT
 CCAAAGACTTTTAATAGTGACTTTTATTTGTAAATCGTGTGTTCCCTGTTAATATAGGAATCATGTTGGTCTCTGTTAGAAATACAGCTT
 TGCTTGCTTTCCCTCCCTGTAGACCAAGTAATCCCCAACCAAGTAGCGGTGAGCAACATGTTCTCACCAACCCCTTAGGATGTTGC
 TCCAGTGGCCTCAAAAGCAGGTGCTTATTTTGAATTCCTGGCTTGAGGCACATTTTATAGTACTGCCAAAGAGAGCCTCCTGT
 AGGCTGAAAGTCCACATACAGGCTACCAAAATAGCCAAATTACATCCCCCTTTTGGCACCCAGGAACGTTTTCATGCCCTGTGTGCT
 CCCCTTCTCTTTATTTTGAATGTATCTCACGGGTAAAAAAGGTCGGGCAACCACTGCTGTAGACCATACACTGTTCTGTCTCTCA
 TGTGCCCCCTCTAGCCATCTCTATGGTGATATTCTATTTNCAATGGCAGTGG

Seq# E460T660

Q9925507.Seq

AAATNCAAGNTACTTGTTCCTTTTTCAGGATCCCATCGATTGGAATTCGTGACCCACGCGTCCGCAGACACACTAGTAGAGTTT
AGTTGGCCGGCTCGCTGAATGCTACTGACTGTCTCTGTTCCGCACCTCCCTTTAGCCAATGAGCGAGTGAGTCCCGCCCTTCT
GCTCAGCTCCAGACAGTAGAGATTTTCCACAGGGAAGAGCTGGGAACAGGAGCCGGGAACCCACTGATACAGCCATGGGGAAGA
CAATATAGATCCATGGAATGAAAGGTTCTTGCACTCTCCCTGGAGATTATCTACCTGCTGACTGGAGAGCTACGTTGTAATGAA
GAAGTCAGGTGATGCCACGGCCCCCACAGAGCTGCACTGACTGTATGCTGATAGGAGCCTGCAGGTGCCATGTGACCAAGCCCAAC
TGTGGGAGGGCCCTGCAATGTCCTGGCTCCGTCATACAGAAAGAAAATGACAAGAGATCCTGGAACCTCATGTCCAAACATCATCCA
TCTGCTGACTGGAGAGGTGTTGGACTATATAAAGGAAACCAGGCCCTTGACAGCAAAGGATAATGGAGGATCCCCAACAGTCCG
CCACTGGATTGCAAAATATGATGAATATCAGAAATACCACTGAAACAAATTTGGAGGCCAAAGTCATCTTTGTAATAATGATCCAACCCG
GAATGCAACTTGTAAAGGACTGGGTCTGATGGAAATTTTACAANTACTAACAAT

Test40-4460T660

Q9925508.Seq

ATATCCAAGTTNCTTGNCCTTTTTCAGGATCCCATCGATTTCGAATTTCGTCCGACCCACGCCGTCCGGATGTCAACCGGAGCGCCCTGCCA
3CTGGAGAGTAGTAAGAAAAGATGGCGGCACAATCGGGATGTTTTCTGATTTAAAGGAAATCAAGAGGCAGCTGCTAAGCGTAACC
TGGCTGTGTCGGGAGAGAGGTCTGATGAATAGCGTCAAAATGGGCATCANAACTTGCTTTCTCTCTCGAATCTGTTCCCTCTGAATGAG
CTTCCCTCAACCCAGCACTTACAGAGGAGGATGCCCAGGATCTGGATGCATACATGCTTGCTAAGTCTTACTTTGACCTTAAAGAA
TATGATCGAGCTGCATATTTCTTCGGGGGTGTAAGAGCCAAAAGCCTATTTTCATGTACATGTACTCCAGGTACTTGTCTGGAGAA
AAGAAGAAGGATGATGAACAGTTGATAGCCTTGGTCCCCTTGAAAAAAGGGCAGGTGAAGAATGAAGCTCTCGGGAACTACGTGTG
GAGCTGAGTAAGAAGCATAAAGCCAGGGAATTAGATGGATTGGACTGTACTTGTATGGCGTTGCTTGAGGAAGCTGGATCTGGCAA
AAGAAGCTTTAGATGTATTTGTGGAAGCAACACATGTCCCTTGCAATTGGGGAACCTGCTGGAATTATTCAATTTTGATTACTGAC
AAAGAGATGCTGAAGTTNCTGTCTNTGNCNGACTCATGGATAAAG

09925509. Seq

Page 1

Sequence

Q9925510.Seq

ANTCTACTTGTCTCTTTTGCAGGATCCCATCGATTGGAATTCGTGACCCACGCGTCCTTTTATATATTCATGTATCAGCAAAA
AAGTGGGTGTGATATACGCATACATACACTTTTTTTTTTATATGCGGCAGATTTATTAAGGTCGAATTGAAATTCAAAATTTTTTT
ATGGTTAAAACTGTCTATTGAAATCGAATAATCTGAACCTCGAGAACTGAAATTCGAGATTATCAAACTTGCCTGCTGCGAAAAGGT
CAATCAATGAAATATGACCTTGGAGCTTATAGTTGCTCAGATTGTGAATGCCAGAGACCATTCGATCATATGCCCTGACCAATTT
ATAATAAGGGATTCTGTCAAAATAAAATGTTGTTCCAAAAAAGGGCGTGTGATATACGCATACATACACTTTTTTT
TTTTTATATGGGGCAGATTTTAAAGGTCGAATTGAAATTCAAAATTTTTTTATGGTTAAAACCTGTCATTTGAATTGAATAATCTGA
ACTCGAGAACTGAAATTTTCGAGATTATCAAACTTGCCTGCTGCGAAAAGGCAATCAATGAAATATGACCTTGGAGCTTATAGTTGC
TCANATTTGTGAATGCACCANANACCATTCGATCATATGCCCTGACAAATTTATAAANGGGATCTGTCACAATAAAAATGTTTGGT
TNCNNNNAAAAAANNNNNNNNNNNNNNNNNNNNNNNNNNNNCT

Q9925511.seq

Q9925511.1.seq

NTTTTGATAAACCATTTCTACTTGTCTTTTTGCAGGATCCCATCGAATTCGAAATTCGTGCACCCACGCGTCCGCTCTACCCGTGTAGTA
 ATTAATTGATGTCATAAAGGTAAAACTATCTTGGTCTACCTGCAATGCCGACA CTGGCTATGTAACATCGCACCATTAATTTGGA
 TTTGTGAAAAGACACATGAAACTCCCCAGTCTTTGGATTGGATTGGAACGAAACAAAGAAAAATATTTATTTTGAGAAATACAGTAGC
 CAATTGGCCATTTATATACACAGTCTGTTCTGTTTCATTCTACTGCTTTAGGCAACCTACTAGAAAAAGGCATTTGCCCTTGTTAA
 ATAATGACTTTCTTTTGATAAAGGTCAGTAGGTGGCGCTACAACTCCAAAATGTCAGCATACATTATTGAAAAATAGTCATTTATTT
 GGCTTGTTTATTTCCATTTTGTTTTACATTTGTA CTGTTCACTTTGTGAAGAAATGCAATTGATTTGGTTCGTGCATATTTCTAA
 TGTACTAATCAATTTGTCAATATTTTAAAGTGTGTTTTAGTTTTTACATAAGACAAATTTTAAAAATGCTTAAATAGCAGTCTCGAT
 CACCTGTTTGTTTTTCGGTTATTTTTTTCCTGACA CTGAGGATAAGCTTTGATGCTAAATGGGATGTTTGGTTATTANGCAGTGTTT
 TTTATAGGTAGGTTAACATTTCAACCGCTTAAC TGGTAAAAATTCCAGTCACGCCG

Q9925512.Seq

FTGAAAACCANCTACTTGTTCCTTTTTCAGGATCCCATCGATTTCGAATTCGACCCACGCGTCCGCCGGAAGTGACTGCAAGTC
 ITTTAGCAGCTATGGCAGCGCCGTTCCGGAATCACGTGTGGTAGGAACCGAGACTGGAATACCTCAAAGGCATTAAATCTTCAAAAAA
 AACAAAGCTTTTAAATTACACAGATGTGGCTTCCATAACTAAGGGCCAGGAGTTACTGCCATGTCTGGGAGATCCACAAGAGTCTG
 AGGTTCTTCTCGGTTGTGGAGATGGCACAGTCAGAGTTTTAGCAGCGAAAAATCCAAATTCACCTGAAATTCATGAGTGCAAGAGGAG
 GGGAAAGGACATTTAAAGGACTTGCTGTTATGGATAATGCTCTTGTAAACATGCGTGGAGTCTGGAATCTCAAGCATCAGCGATTGGAAACAG
 GGGACTCTGATAATCTAGAGGTGCAGGTGGAGCTGGGATTGAGAAGATGCCACAATGTGAAACTCAGCATCAGCGATTGGAAACAG
 GAGGCAAAAGAGACTGACCTAAAATCTGGGATTTGGAGAGACCTGAGGCCCCCTTTTAAAGCTAAAAATGTAAAGGAATGATTGGC
 TGGATCTCCATGTGCCTGTCTGGATAAGGATCTTGGATTCTTCCAGGGCAGAGAAAAATTGTAACTGCACAAAGTCACCAACAGGT
 CAGAGTATATGATCCAAAGCAGCCCCCAGAGACGTCCAGTCTTAGAGGTCTGN

Seq 240160

Q9925513.Seq

CNNTTGAATAATNCAAGCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGATTTAAACATTACTGG
TTCCACATATGCACCCATGGGAGAAAGTGTGAAAGATGACAAAGCTGGTGAATGCCACCAATATGATGGACTTGTGAACTTGCAAC
AATCTGTGCCCTTTGCAATGATTCTTCTTTGGATTAAATGAGGCTAAGGGAGTCTATGAAAAGTTGGAGAACACAGAGACTGC
GCTCAGATGCGCTGGTTGAAAAGATGAATGTCTTTTGACACTGATCTTAAAGGGCTTCCAGAAATAGAACCGTGCAAAATGCTTGCAACTC
GGTCATAAAACAACTGATGAAGAAGGAATTTACTTTGGAGTTCTCAAGAGATAGAAAGTCCATGCTCTGCATACGTACACCCAAATAA
ACCAAGTCGCACATCAATGAGCAAAATGTTGTAAAGGGGGCCCCGTAAGGTTTGATTGACAGGTGCATCCACATCCGAGTTGGAAG
CGTAAAAATGGCACTAACCCCTGGAATTAAGCAGAAAATTAAGCGCTCATTCGGGAGTGGGAACTGGCAGGGACACTCTGCGCTG
CCTGCCCTAGCAACTCATGTATACCCAGCAAGAAAAGAAATGAACCTAGAGGATTCTAACAATTTTCATTAAATATGAGACTAAT
TTGACATTTGTTGGATGTGTTGGAATGCTGGCCCCACCAAGACAGAAATTTGGCTGC

Q9925514.Seq

TTTTGTGATAANCAAGCTACTTGTTCCTTTTTCAGGATCCCATCGATTCTGAATTCGTGACCCACGCGTCCGGAAGCAGGAGGGGGT
 ACTATCTTGCTTACTAGTTAGGGCTTTTTTTTAAATTCTTGGTTCAATTCTCCTTTAAATACTGGAATCTTCATCATCTGGGACGGC
 ACACAAACATTCCTATTGCTTCATGAAAGCTTTATGCCATGAGCAGAAACAACACTGTTGAGCCCTTCTGACTTATCGGTTCCCATGCCA
 TATATATAAGTCTGCCAGGTTGCTACAAAGTTATTTGTCTTATGCAGGATCCTAAAGTGACACCTCTTCTAGTTGAAATGGTGTGT
 CACACAGTGTGCTTACATTCGTGGGCCCAGGTTGTGGGATTTTGGCTACCCAAAGGGCCGGCTGTATAGGCCCTCTGGGAGCAACAAAAAGG
 TGTTCATGTAGAAATTCCTTTGTATTGTGGGATTTGTGGATTTATGTATCCATACTGCCTCTGAGGTAGTAGCGTTTATTTCAATGTTAGATAATG
 TTAGGATACCATGCTGTAAATAATCTAGACATTAATGTATCCATACTGCCTCTGAGGTAGTAGCGTTTATTTTGTGTAACGC
 TACCCCTGTCCTTGCAAGTGTGTGGCCCTGTTTAAAGGCTTTTAAAGGCTTTTAAACAAAGATGGTATAGATATTTTGTGCTATTTTGTGTAACGC
 ACTTTTTTTTCATTGGTCAACATTATTGNGCATTAANAANAATGCCTGGCCGG

Q9925515.Seq

GNNNNNNNNNNNNNTTTGNNNNCCNNTTTGAAATNCAANCTACTTGTCTCTTTTGCAGGATCCCATCGATTCTGAATTCGTCTG
 ACCCACGCGTCCGAGGATTGTCCGAACTCTATCGTCAATGATTTTGCCTATATGAAAAAGAGAGAGGAAAGAAATGAGGGACACAAAT
 GAATCCACCAATGTACGTGTTCTTACTTCAGCATTTTCTCTATGTGTGCTTAATGGGACTGGCCACCTGGCAAGTTTTCTATCTG
 CGCCGTTTCTTTAAGGCCAAAAAATAATTGAGTGAAGAAAAAATTTTACAGATACACAGCTGGCCTCTCCATCCATCAGGCGTTT
 GCATCTGGGAAATGTTTGCAGAGCTGCTTCCCTACTTCTCAGTCTGGGTTATCCATGGATATGTCGTGTTTAAATATGGAACCCCTCAAT
 AAGCTACCACAGATCTCCAACTTGTCTGCAATATTTTGGATTTTTTCCCAACAAAGGTGTGGGATGTTTTTTTTTTT
 TTTCTCTTCTGATTTAAATCTCTGCAAACTTTGCTGCAATATTTTGGATTTTTTCCCAACAAAGGTGTGGGATGTTTTTTTTTT
 TTTTTTCTATTGTAAAAAGAGAAATATTTTCAGAAACCCAGTCTTGATAAAAGTGTAAATATGGTGAACCAATGAACAAAAATAAAT
 GGTAGCTTATANAATGACGAGGCGATGTCATGAAATATAGGACTGATGGNGGGACCCATGAACATAGGACTNCAATGANGGG

Q9925516.Seq
 1NNCCCNTTTGTGNTCTTTTGCAGGATCCCATCGATTGGAATTCGTGACCCACGCGTCCGAGCTGCCAAC
 3CCCGGTGGAGAGAAAGGGAGAGGCTGAGCGGCTCTGCATTGAACCAACTTTGCTGACCTTCACACCAGAAAATTTAGCCATGCAG
 ACAATTAAATGTGTAGTCGTTGGTGATGGTGCTGTGGTAAACATGTCTCTTATCTCATACACAACAAAACAAAGTTCCCTTCTGAG
 IATGTACCAACGGTTTTTGACAAATTATGCCGTAAACAGTTATGATCGGAGGGGAACCATACACCCTAGGGTTATTGTATACCGCAGGA
 CAGGAAGATTATGATAGATTACGACCTCTTAGCTATCCACAGACAGACGTGTTTCTAGTTTGTCTCAGTCGTGTCTCCATCTTCA
 ITTGAAAATGTGAAAGAAAAGTGGGTACCTGAAATCACTCATCACTGTCCCAAACTCCATTTCTGCTGGTTGGCACCCAGATAGAT
 TTAAGAGATGATCCTTCAACAATTTGAGAACTGGCAAAAACAAAACAGAAACCAATCACTCCAGAGACAGCCGAGAAACTGGCCCCGT
 GACTTAAANGCAGTTAAATATGTGGAGTGTCTGCACTCCACAGAAAGGCCCTAAAGAACGTATTTGATGAAGCGGATTTTGGCCCCGNC
 TGGAACCCCNGAGCCCAANAAGAAAACGCAGGTGTTTGTCTGCTATGAATGTTTCTCTGGGGG

Q9925517.Seq

NTTTTGANATCCAAATCTACTTGTCTTTTTGCAGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGGGAGAAAAACAGCCAGA
 GAGGTTAGACTGCGCTGGGCTGGATCAAAGCTGATGTGTCCGACTTCAGGAAAGTGAAGTTTCTCCGAGGCTTAAAGTGAAGGAAAA
 ACAGGATGACCACTTTAATTGCGCGTGGCGACGTGCAGAAGAGGGTCAGGAACGACGGCGGATTTCGGAAGATTCCATCAAAGATA
 AAGACGAGGAAGAATCCGCCGACTCCAAGGATATTCCGCTGACGCTTATGGAGGAAGTGTGCTTCTAGGACTCAAAGACAAAGAGG
 GCTACACATCCTTCTGGAACGACTGCATCTCATCGGACTACGTGGAGGAATCCTCATCGAGCTGTTCCTGAGGGCCCGGTGTTGT
 TGGAGCCGGCGACTATACGGAGGAAACGGCTGGTAGACAAGAAAGGTGCTGCTAAAGTCCGATAAACTAACGGGAGACGTTCTATTGG
 ATGAGACCAATAAGCATATGAAGCAACCGAAACAGCAGAAACCGTCCAGAGCTGGATCGAGTTACTTACAGGTGAGACATGGAACC
 CTTTTAAGTTGCAGTACCCTGCGTAATGTCCNGGAACGCATACCAAGAACCTTGTGTGAGAAAGGGAATNCTGCCACCCGAAAAAGCAAA
 CTTTCTTNNTTTGACATGACCCCCCCCCTTGTGACCAACACACACAGAGAACT

Q9925518.Seq

IGGATAACCCCTTTTGGATACCTTTCTCTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTCGACCCACGCGTCCGTGATCAGG
 ITAAAGCTGTGGCTTGTGGATGCCGATGTTATGGACCCCTCTATACCAAGATGATGAACCTAAAGGGAACCCAGAGTTATCCA
 AAAACAATCTCATGATTCTTGTCAACTACAGCATAAATGCAATGGCTTCCTTGTGGAGGAACTGCACCCATTGTGT
 GGCGAGGTTTGGATGGTCAATGTCGATCGAGAGTTGCTACGGCAGGTGGA CTGGGGGAGTTGGATTACCTGGTGATTGACATGC
 CCCCAGGAACAGGGGATGTACAGCTGTCCATCTCTCAGAAATGTCCCATCTCTGGGCGAGTGA TAGTCTCAACTCCCAGGACATTG
 CTTTGGTGGATGCTCGCAGAGGAGCTGAAATGTTCCAGAAAGTCAATGTGCCCATACTAGGGCTCGTTCAGAACATGAGTGTATTTTC
 AGTGTCCAAAATGCAATCAGACACACATTTTGGGAGGAGGAGCCCGACGATTAGCAGAAACGCTAGGATTTGATGTTTTTGG
 GAGACATCCCTCTCCACATCAACATCAGAGAGACCAAGTACCAGGTAGAC CAGTGGTGGTGTGTCAGACCCCTCAGAGCAGTGAANCCA
 AGGCATACCTGAAGATTGCCAGTGANGTCCTCAGCANAAATTTTCTAAACTGAACTATAATCTCN

44634" E460T660

Q9925519.Seq

ATANCCAAAGCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGGAGTTTCTCTGTTCACAGGG
GACCCCAATATGTTGTCACTATTTTGTCAATAATATTTCATTAGAACAGGTTATTTCATCTTATTTTGATTACATTTTATTATAATTA
CATTATTATTACTACATTATCATGAGGAACCAATCTTAAAGCATGATGACCCGCTGTGAGTTAAAAATCCCTGCTATAAGTATATA
GTTCCCTTCTATACAGTGTTTATTGTACCTGTATAAAAAATGTTTGTAAAGAAAAAATAAANGAATAAANGAATAAANGAATAA
AAAAAATAA
CGTAAATCCANACATGATAANATACNTTGNAGTTNGNCAANCCNCACTAGAAATGCAGNAAAAAATGCTTTNTTTGGGAAAT
TNGNGANGCTNTTGNNTTATNGTAACCATTTNTAAGCTGCAATAAACAAAGTTAACAAACAATTCATTTTATGTTTCAGGT
TCAGGGGAGGNGTGGGAGGTTTTTTAATTCGNGGNCGCCCGGGGCCAATGCATTTGGGCCCCGACCCACITTTGTTCCCTTTAG
NGAGGGTAATGNCCCCCTTGGNGAATCATGGGCATAGCTGTTTTCCTGGNGGGA

Q9925520.1 Seq

AANCTACTTGTCTTTTTCAGGATCCCATCGATTGGAATTCGTGACCCACGGTCCGCACTGGCACATGGGTGATATTTTAATGA
 AATTTGTAGTAGCAAAAATTCCTTAGGCAACAATGCTAGAAACCAACATTTTCATTTGCCCTTTATGAAAATTACCTGCAAGCTCGTGT
 TTTAGACTAGTGAACAAAATTTGTGATTTATCTAAAGGCATTTGGAGATGGTTTCGATATTAAAATTGCAACAGGTAAAAATGCCTC
 AAATCCACTGGTGCCTTTGCCCTTGAGGGGAACTATGGCGAGAAATGAAAGTTTAGTATAGGCTTTCTCGTACTGAGGTAGGAGACT
 CTCTGAATACAGTCAATTGAAAAGATCTGCAATTTCTCAAAATAGTTAAGTTTATATTAAATATTCTCTCTCCGTATCGGTTTCT
 CTTCCGTTCTGTCTTCGTGGGCGAGTTGGGTGTCAAGTGTGTCAGTGTCTTTGTGGGGAGGGCTCCGTTTCCCTGGCAGATGTA
 TTGGAGCTCACTCAAAATAGCTGATTCAGTACCCACAAAACCTAACAAAATGACTGCAATTTTGACCGGATTTCTGCATGTANAGAGAC
 ATGATGTATGGTGTATTTAATAGAAAGTGGGCTCTGGTACATCTTCTGGGCNAANGGAGCCCCCTTGTGGGAAGTATTGGATCGGTTAT
 NTTGGCNCCTCCGCTCCTGGGTGAAAAACANANTGGGGGATTGACCCG

Q9925521.seq

Page 1

Q9925522.seq

Page 1

Q9925523.Seq

FTTTGANATNCANTCTACTTGTCTTTTTCAGGATCCCATCGATTGGAATTCGTCCACCGCGTCCGGGAGACTGCTGTAGGT
 CGCCACCATGAGATCCCTGCCCTGTGTTCCCTGCTTGTGACCCCTCTGTGCCCTCCTGGGTAAATGGGGATACCGACCCAAAGACAAGAAGGA
 CCGTGTCCATCAGATAAGGACCTCAGTGACCCAGCATGATGACCATAGGGTTTCCAGTACGACCATGAGGCCCTTTCTAGGCAA
 GGAAGAAGCCAGGACCTTTGATCAGCTCACCCCGGAGAGAGCCCAACATAGACTGGGGAAAATAGATAAAAATAGACAGAGATAA
 GGATGGATTGTGACCGAAGTGGAGCTGAAGGATTGGATAAAGCACACCCAGAACCGCTACATCTATGAGAATGTCAACAAGCACTG
 GGCAGATTATGATCAAAATAAAGACGACATGATCTCATGGGAGGAATACAAGAACACCAAGCTACCGCTACATCCAGGGGAAGAATT
 CTATGACGTGGCAGATAAGGATAAGGAGCGCTACAGAAAGATGATGCANAGGGATGAGCGCGGTTCAAGGTGGCAGATAAAGATGG
 TGATCTGATTGCCACCCGGGATGAGTTTACCGCGTTTCTGTGCAACCCAGANGAATATGGCTACATGCAGGATATTGCATAACAGAAACC
 ATTGAGGACATTGATAAGAATGGGACNGCACCTGTGGATGTGAATGAGTATATA

Q9925524.Seq

TTTNNNNNTTNNNTTTTGATATCCANNCTACTTGTCTTTTTCAGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGCGG
 CTTCTAAGTGGTGTGACTTGTGGAAGATCAATAAACGTCCTCGTCATGCTGATGAAGGAAAACTCTTTATCGGTGGTCTGAATTT
 TGACACCAATGAGGAAAGCTTGGAGCAAGTGTGAGCAAAATATGGCAGATCTCTGAAGTTGTTGTGGTGAAGGATCGGGAACAAA
 GAGATCAAGAGGATTTGGCTTTGTCAATTTGAGAATCCTGATGATGCCAAGGATGCTATGATGGCAATGAATGGGAAGGCTGTAGA
 TGGCCGTCAAATCCGCGTTGATCAGGCTGGCAAGTCTTCTGGTGATAGAAGAGGTGGTTACAGAGGTGGCTCTTCTGGAGGCAGAGG
 CTTCTTCCGTGGAGGCAGAGCCGAGGTGGTGAGACAGAGGATATGGAAGCAGCCGTTTGTATAACAGAAAGTGGAGGTTATGGCGG
 TAGCAGTGGATCCAGGGACTATTATAGCAGTGGCAGGAGTCAAGGCAAGCTATGGTGATCGTGTGGAGGTTCCCTACAGAGATAGCTA
 CGACAGTTATGCTACACACGAGTAAATCCATTCTGCTCAAGATCGTCTTNCATGGCTTGTATTTATAAAGATTTTGTGGAGCTT
 CCCGAATCGGTTGTGTAGATAATCTACTTGTGTTCCCTTTTTTTTTTTTAAATAAACAGTTGCCCTGN

Q9925526.Seq

CNTTTTGATANCCANTCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTCCGACCCACGGTCCCGAGGTCGTGTGCTG
TAGCACGTCA CGACGCCGGCTGGAAGATGGCGGTCCGGGGAATACTTCGCCATTGGTGCCCTATGTCTCGTGCCGGACCTGCCAA
GAGACGAGACTGCAGGGCGAGGTGTCGCCCTTTTGATTACCCGAGCAAAATGCTGGCGCTCAAGTGTCCCTCCTCCAGTGGGAAGGCC
AACACGCCGATATCCTCCTCCTGAATTTGGACTACGTGTCTGATGTAGAGGTGATTAA CGAACGCACACAAACCCCGCCTCCTTTA
GCCTCTCTCAATATCACCAAGCTTGCCAGCAGAGCTCGTTTAGAGAAAGGAAGAGAGTTGAGCCAGGCCCTACGCTATCAGTCGTGGA
GTGTCGCTGGATGGACAA CAACCTTTTCAGACCATACACAAGACGATAAAAGACTGTAAATGGCAGGAGAGAATA TAGTCGTTATG
GAAGAA GTGGTCA TTTCTCCCTACCCAGGTGGAAAACCTGTAAAGGAAAGGAGGCCGTGCCCTGACCCACGTCTGCAAAAATAGTT
GAGAAACA CTTTAGAGATGTGGAATAATCAAAAGGGGTGCAGAGAAATCCAGTCGCACAGTCACAGAAAGAGACCCAGCACCGTCATN
CTGAGCCTTGGAACCAATGTTGNCTTCATCTTNCCCATGCTGGCTGCTCTTTT

Q9925527.Seq

TTGATNCCCCTTTTGANANCCNANCTACTTGTTCCTTTTTCAGGATCCCATCGATTTCGAATTCGTCGACCCACGCGTCCGAACGAAGA
 AGANCGGTTGCCCTGTAATGATGGATGAAGCTATGGAATATTTGGAGCAAGAAGACAGAAATAACAGCCTTCATTCAGCTATGAAGTTAT
 TGTCTAGATGACGGCAGTAGAGATAAACTACAGAGGTCGCTTTAAGGTACTGTAAATAATACAGCAGTGACAAAGTTCGGGTTCT
 AACGTTGAAAAAAATCGTGGGAAAGGTGGAGCTGTAAAGATGGGAGTCCCTGGTTCGCCCGTGGCAAGCTGATTTTAAATGGCTGATGC
 TGATGGAGCTACTAAATTTGCAGATATCAAAAACGTAGAGGTTGGACTTGAAAAAACTGAAACCCCTGGCCTGAAAAAATGGCCATATC
 CTGTGGGTCAAGAGCTCATCTGGAGAAAGAGTCCATAGCACAGAGATCCGTTGTTTCAAGACATTCCTCATGTATGGCTTCCACTTCCT
 CGTGTGGTTCCCTTTGTGTGCGAAGTGAAGAGACACTCAGTGTGGATTCAAACCTGCTGACGAGGAGCGGCAACACGCACTTTCTC
 TGCTCTTCAAGTCGACCCGCTGGGCGTTTGATGTGGAGCTGCTGTATATCGCTCAGTGCCTTAAATATTCCTGTACAGAGGGTGCAG
 TAACTGGACAGAAAATTGAAGGCTCTAAGCTAGTGCCTTTCTNGAGCTGGTTTGCAGATG

Q9925529.Seq

ATATCCANTCTACTTGTCTTTTTCAGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGCTTCCCGGCCCTCATTAGATTCTG
 TGCCATTATTATATGCTGGCGGTAAAGGAAAGGAAGTCACTACTCAGATTACACATTTTGAAGCCATTTCATGCAAACTGCCAG
 TTTTGATTCTTTTCTTTTCAATAGGAAATCAGAGGTTGGTGGTATATCTTTTAAACTGTATTTCAAGAACCTTTATATTGCATC
 CCAAGTAAAGAACATATGAGGTTCCCTATATATGTTATCTTTCTGTGAAAGGTCCTTGTGCGGTACAGACTGGTTTCTCTTATTA
 CAAAAAGCCACTGAAATTTCTTTTGAGTGGATTGAATCATATGCCATTTTCCCTTTGCTGTACAAGCAGATTTAAAGAAGAAATAT
 TACAGTCTACTCCCTTTTATACATATACCAAACTACTTTTAAAAATTGTGTAAACAATAGTAAAGTATAAAGATAAATGTTTAGAT
 GAATTATCCATAAAACCTTGAACATGTCTATATTTGTCTTCAATATTTTAGTTTCATTTGCTGTAATAATAAAAGAAAAACGCTGCC
 ATATACTTTGAAATTGAAATGTATTCCTTACAAAAATGTTGTGGTTTTCGGAAGGTATTAATCTTAATGNATCAAGTATACTTGCAGGCCG
 TTTATTTTCTTTTAAATTACTTTAACATTAGTAAGCTGGGG

4040 460660

Q9925530.Seq

TTTGANAACCACTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGCGCCCATTTCTAGGAGAGG
GTGCAGGCGCGTGCAGGAGAGTCACTGTGTGAGGTAGGGGGTAGGCAAACTGCGTGAGGCCACCGAGCCGAAGTCTCTTCAG
GAAGGGCTCAGCGCTCCCGAGGTGGCGGCATCCCGGAAACCCCGGACACCGGACTTCTCTGACCCCGCCAGGACGACCCCA
TTCTCTTCTTGTCAACTGACAGAGACGCCTGTACCGGTCTTACAGCGAGGAGTCCGGCGACCCCGGCACTAGCGCCCCCTGCAGAC
ATGAAAGGTAGCCGGATCGAGTTGGCGGATGTGACTCCACATAACATAAAGCAATTGAAGCGGCTGAACCCAGGTCATATTCCCAGTC
AGTACAAATGACAAATTCTACAAAGATGTGCTGGAAGTCCGGGAGCTCGTCAAACTGGCATATTTCAATGACATTGCCGTGGGTGCA
GTGTGCTGTANAGTGGATCACTCTCAGAAATCAGAAACGACTGTATATCATGACACTCGGGTGCCTGGCCCCCATACCGCAGGCTTGA
ATAGGAACAAAAATGCTGAACCATGTTTTTAAATATTTGTGAAAAAGACCGNACCTTCGACAAACATTTTATTTTCATGTTTCAGATCAG
CAATGAATNCGCCATAAATTTTACAGGAAGTTCGGCTTTTAAAAATATTG

Q9925531.Seq

TTTGATACCCNTTTTNGATNCCCCTTCGACNAGGCCCCCAAGCAGGANCCCATCGATTGAAATTCCTCGACCCACGCGTCCGGATT
TGCTANGGNAGTCGNAGTGCCTCGCTGGGCACAGGAATACTGTGGTGACATACANAGGCTGGGTGGGAGTGTTCCTCCACGCTGA
GAGGAGCGCACANAGTNTGGCAAGCGCTGTATGACANCGAACAAANAGCTTNCAGTAAACACANTAGTANCCGTAGGGAACCTGTG
GTATCCGTGGNGAGCTGTGACNTTNGGATTANGAATTTNGNNNTGTGGAGTNGGANAANCANNCNGAACACNCGGCTTGANTGCT
GGACTGTGATGNGTTGATACCNNGGAACTTGCTGNCCAACTTTAGAGCGCTGTGCTGTGCTTTCNTGTAAAGGATCCCNNGG
ANACTTTTNCNAGAGCTGGCCCANACNTNCNNGNNGCNCNTNGAGCTCATCATCTGGTCAACTACAATACTTCACTTTTCACTNT
ACAAATNNNTAGATAATTCNTNGATAGNACAAANGNCTTCTTNCGNTAAANACACNTGGAGGAANCNGCAATTATGTGNACACN
TTGCTCNTTTCCCTACCTTANNGATTCTATTTCCATAGCTNCAGGNAGCATTTATTGCAACNNTTTTNTGTCTCCAGGGCNCCTTNT
TTGTAAACAATTNNATNCCAAAACCGCNTTTNTNGGCAATNNNTTCTANTANCANAAGNTNNCANTTNTTGCACCC

Q9925532.Seq

ANCCNTTTGATAACCATCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGCTCCTGAGCAGAAA
 CAGAGCAAGACGGACGCTTAAGCGGCACACTACTCGGCGGTTGATAGAGAGATATATGTATATCTTTTGAGAGAACTTAGCAGGGA
 TGTGGGATCAAAGTGACAAACCATGGCAACAATGGCCATTAAATCAGCAGCAGTGGATGGAGTCAATTCAGCAGCAGCAGGATCCAA
 GCCAGATAGACTGGGCTGCTTTAGCACCAAGCATGGATTGCTCAAAGAGAGGCAACGGGACAAGGAGTAGTTGAGCAGCAAAATATGA
 TGCCTAATGGTCAGGATCTTCCACCAATGGAGCCAGGGCCCTAAACAATCATGCCAGTTTTCAGGGAGATCTAAACTTTTAAATAGAAATGT
 GGCAGCCTGAATGGGAGGTATGCATCATCAACCACTCCACATNACCTCCTCTGAAACAGCCCTGGATGCCCCCTGCTCCAGCTC
 CAATGGACGTTGTTCTGTACCTGAAGACAGCAATAGTCAGGACAGTGGAGAGTTTACAGTTGAAACAAGACATATGTTTAAACCAGA
 ATAATCAACAACCTTGGGGACCTCCTNCTGAAAATTTTCCAGTGGACCAAGTGAATCAGTATGATTATCAGCATTTGGTTCAAAATTTT
 GGTCTTNCAGCAGGATTTCAACCCCTTATTGGCAACANGGACCACCTTGGACT

Q9925533.Seq

TTTTGGAAACCANTCTCTTGTCTTTTTCAGGATCCCATCGAATTCGAATTCGTGACCCACGCGTCCGGAAGAAAGAGACCCAAA
 TGCACCTAAGAGGCCACCATCTGGCTTTTTCCTTTCTGCTCAGAATTCGGTCCAAAAATAAAATCTACAAACCCCTGGTATTACCAT
 TGGCGATGTGGCAAGAAACTAGGTGAAATGTGGAATAATCTTAGTGACAGTGAGAAGCAGCCATACAAACAAGGGGGCTAAACT
 GAAAGGAAAAATATGAAAAGGACGTTGCTGACTACAAGTCTAAAGGAAAGTTTGATGGCGCTAAAGCAGCCCCCAAACTAGCACGGAA
 AAAAGAAGAGGACGATGATGATGACGATGAGGAAGATGAGGAGGAGGATGAAGAGGACGGAAGATGATGATGAAATAAAAGTTGTACAT
 TCTGTCCATGTGAATACCATAGAGTAGGGGAACTGCAGTCAATGACTCCATCTTGAATAAGGTGGTCAACTTGCCCTCATTAGGTTT
 AATTGCAAAAATTTGGTTATGGAATCTTAGTTTCAGGATGCTCTTGGAAATTGTAAGTGGTTTACCTTAAGTAGCCGTGCGTGGTAAC
 ATGAGCAATATGAAACTGTCAAAGCTGTACATATTTCCAAACTTTTTTAAAGAAAAAGGCGCTCTGGTGTCTTCCTCACTCTGTGCA
 CTTTGTCTGTAGTGAACAAACATTTAAAAATGTTTCAAGCATTTTTT

Q9925534 . Seq

AANCTACTTGTTCTTTTGCAGGATCCCATCGATTGAAATTCGTTCGACCCACGCGTCCGGACACGAGTTGGGGAGGGTGGTGTGTGC
TGAGCTCCTGAGATTGTGACTGGGGAGGGGGAAGACTAACTTCTCTATGAAGAGAAAAATTAAGGAAGAAATAAAATNTNCCCG
GNGCCACGGNTACCTNNNANTTTAAANGNNGGGAANNAAANTNTTNGGNTGANGGGANTTANTAAGGGAATNGNTTTNTNA
CNACNGNCCGGGNTNANNNGCTNAAGNTGNTTNAATCCNNANGANCCNCINTTTTNNCTNCCNACCCCANNTNNNTTTNTTGGCT
NCNGGGANGCCNNAACNNNNNGANNTTTTATTTNTTTTNNGNANCCNNNAACCNCCNACCAANCCAAANTATGGTGAATTAAT
NTNANTNGTGANGGAAAATTAAGTGGAAGAGCAAGCTTAAACTACCGGAATTTACNCTTTGGNTTNTGGGGCCCTGNNNGAA
ATA TAGGGCCCCAAATTATATTTCCAATTCATATTTGGNGNAACTGATAAACTTTNTAAACATTTTTTNGGGCCCTGAAATNTT
TTTTCTGGGGGGNCCCCGGTATATNTAAATTTGCCNCTTGGTNAANAGTTTACCGGGCCNCCAANCTTTTATTTTAACTTTT
TANGGNAAGNGGNTTCATTTTTTTNTNTNCCCCGNTTTTGTTCANCCCCC

Q9925535.Seq

TTGAAANCCCTTTTGTATATCCANNCTACTTGTTCCTTTTGCAGGATCCCATCGATTGGAATTCTCGACCCACGCGTCCGGGCCAA
 CATATTACGGGAACGAGGGTGGCCGTGCTCCGAAGAGACAAAAGACTGACGGATCTGAGGACAACGTGGCGGCTGCAGTGGAAAGGAT
 ACGATGACCCCTCACAAGCCCGGGCCCTCCCGGTGGTCCATGTGAGGGGCTTATTGATGGGGTTGTGAGGCCAGACCTTGCAGAGG
 CTTTGCAGGAAATTGGAAACGATCAGTTATGTCGTGGTAAATGCCCTAAGAAGAGACAGGCTCTGGTTGAAATTTGAGGATNTTNTTGGTG
 CGTGCAGCGCTGTAAACTNTGCAACANACAAACAGATNTNTGTNGCAGGGCNTCCANCNTTTGTAANTTTNANNNTANCCAAAAA
 TNTCCNTCCACGGNTGCAGCCNATNATTCCTGGGGGTNAATAATGTTTGTCTTTTACTATCCTGAATCCTATCTATTTCCATAN
 CTNCGGATGNGCTGTATACCATCTGTAAATCCATGTGNACCTGTCCAGCGNATNGTNTTTTCAAAAANAATGGCGGCCAGCCATGNN
 GGAAATTTGANTTTTGTGCAAAAGNGCTCAGNGGGCCAAAGNTTTTNNAAATGGGGGCTGACATTTNTTNTGGGATGTTGGCACANTG
 AAAATCGAGTTTGCCCAANCTTTNTAATTGAAATGTTTNNAAAANTGACCAGAAACNCGTGGN

$$\frac{d^2 \mathcal{L}}{d\theta^2} = \frac{d^2 \mathcal{L}}{d\theta^2} + \frac{d^2 \mathcal{L}}{d\theta^2} + \frac{d^2 \mathcal{L}}{d\theta^2}$$

Q9925536.seq

[illegible]

Q9925537.Seq

ANNCCNNNTGAATAACCAATTCACCTGTGTCNCTTTTGCAGGATCCCATCGATTCCGAATTCGTCCGACCCACGCGTCCGGAGACTCCT
TGCTGTCGGTCGTTGAGAAATCCGCAAACTGTACTTTCCCATTCCTGATATTAATTAATCTGCTGAGAGACAGTCTCCACCCGAAACAAT
CAGTCATGCGTGAGTGCAATTCATCCATGTTGGTCAGGCTGGTGTGCAGATCGGTAATGCCCTGCTGGGAACCTCTATTGCTGGAAC
ATGGCATCCAACTGTATGGGCAGATGCCCAGTGACAAGACCATTTGGAGAGGGGACGACTCCTTCAACACCTTTTTCAGTGAAACAG
GAGCAGGAAGCATGTCCCCAGGGCTGTCTTCGTAGACTTGGGAACCCACTGTCAATTGATGAAGTGCGCCACTGGGCACATACAGGG
CAGTTATTTCCACCCAGAGCAGTTAATTACAGGGAAGGAAGATGCTGCTAATAATTATGCCCTGGCCCTTACACAAATTGGCAAG
GAGATCAATTGACCTGNNNGCTGGATAGGATCCGCAAACTGGGNTGNTCAGNGCACAGGTTTNNAGGGTTTCTGGGGTTCCACAGNTT
TGGNGGNGGCACGTGTTCTGGATTCACTCCCTGCTGATGGANCGTTTNTGTTGATTTTGGGAANAAGTCCCAAGCTTNAATTT
GNGAATNTACCCANTCTTAAGTTTCCANAGTTGGGGGTGGANCCCTTACAACTTTTATACCCNCC

FORO 20 24607660

Q9925538.Seq

CANNCTACTTGTNCTTTTTCAGGATCCCATCGATTGAAATTCGTCCGACCCACGCGTCCGTTTAAAA CGGGATCTTCAAAAGAAAT
AGAAACCTAAAGATGSCAGTCCAGGATATACAGTGATTAATTAACCTTACAGCATCATCTTATAC CAGGATCCATGGGAATGTCACC
TTGTTTGTCTTTTGTCTTTTAGCCATATAAATGGAATGAAAA CACATGGATATTATATCCTGCTAATTTTCAATGTCCTGAGCC
CATATTTAAAGACTAAATATGAATGTGTCACTTTGTATGTAAAAATGACTGCTCTCTAATTAATTATGCTGACCAGTTATTTAAAA
ATTTCTGTGTGTAAATAGGCAATAAATTATGTGGATAAAGCTGTGTGCTAGAGACCATTACTTCATA TTTATACATATGACTTAC
TATATCAAGTGATTCTGTTTGTATCAATTAAACATTAAAAATAACGCTTTAGCTAAAAA AAAAAAGGGCGGCCCAAGGCCTCT
CGAGCCTCTAGAACTATAGTGAGTCGTATTACGTAGATCCAGACATGATAAGATCATTTGATGAGTTTGGACAAACCCACA ACTAGAA
GCAGTGAAAAAATGCCTTTATTGTGAAAAATTTGN GATGCTATTGCTTTTATTGTAAACCATTA TAAGCTGCAATAAACAAGTTAACAA
CACCAATTGCATTCAATTTATGTTTCANGGTCANGGGG

Q9925539.Seq

ANANCCNTTTTGAAATCCANGCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGGCGCAAGAG
 GCTCTTTTCCAAAGGAGTTACGCTGTATGATGTATGGAATTTGGGGATGACCAAGAACCTTATACAGAGTCGGTGGATATCCTGGAAGA
 TCTGGTGATCGAGTTCAATTACTGAGATGATCCACAAGGCAATGTCTATTGGGGCCAGGCCCGTACAGGTGGAGGATATTGTTT
 CCTGATAAGGAAGGATCCNCCNCAATTTGCCNNAGTCAAGGATCTGCTNACTNTNAATGANGAGTTGAAACNGGCTANAAAAAGCCTT
 TGAATGANGCCAACTNTNGCTNTTAAAGCCTTGATGGGAGATGCCCTGTGTATCTGNCTNGGCCATTGATTATCCAAACTGGNTA
 AGGAAGGNTGTATNTGCCANTGAGTCACNTNTTTTGTGCTTTTGGCTACACCTGAAAATGTTCTATTGAGGAGTGGGCCCTGTG
 AGACCTTTGAACAGAACTGTTAACGCTCTAANTGATTAGCTGTGACCTGCATCACTAAANGGCCAATTGTGTGGTGCTGTANGCTTC
 ANNTCCTGCCCCCTACATGTTAACAAACCAATGTCAATACTGGTTGNGTGTGTATCTAAGGCTAAGCTGCCCTTAAATCACTGNGGGGNA
 AAGCTTTTTCGATAAANCAATTCNAAAAAACCCTTTAANCCTTGGANCTTGN

Q9925540.Seq

TTTNTAATCCATTCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCTGTCGACCCACGCGTCCGGGGAAGAAGGATTTCGCAA
 GTCTGAGTGGTTTGTATCTGACCTTTTGGTCGTCGTCTGTTCACTCTCCGCTACGTTTCGGTGGCGAGAGAGACATTTGCCGAAAAG
 AAGTCTCGTTCAGAGGACTTCTATTGAAATCCCCTGTTGCCCTTGTGCCCCAGGGGATTTCGATGTTTGTGTTTGGATCTTGATAATCAC
 ATGCTTAAAGAAAAC TAGCAGATTAAAGAGGCAACACAAAGAGAGAGCCCTTACTAGTTCGGAGACCTGGAAAGGCAGAGGTG
 GTTGTGAGGAGTCAGTGGGAAGGTGACATAAAAGTTGAAGATGGCGGAGGTGAAGATTAAACATTCTCTGGTCAACACAGAAATA
 ACCTTGGCAACACAGATTGCGCGTCAGAAAGTTGTTTGATCGCAA CAATCAAAAGATGAGCATGTCCCACACTAAGGACAGGAGCCGTG
 GTTGTGGGACATCTCTTGCAATGGCAGGCCATGCAGAAATGGAGTGAACATAACACTCTATCTTCAAAATCAAAACTGGAGCGCTGGGT
 TTCCAGCCTCCAATAACCTCTTCAACCAATCAAGACAACCAAGAA TTA TGCTGGAGCCAAATTTAGTGAACCCCATACCAAGTGTCT
 TCCAAACCAACCACTGGGGTACTGTCTTCTGTAGTCCAGCT

Q9925541.Seq

TCNAGCTCTTGTCTTTTGCAGGATCCCTCGATTTCGAATTCGTCGACCCACGCGTCCGGGAGACTGGATGTTGTTGAAAAACATGG
GTGCCCTACACTGTTGCTGCAGCCTCGACATTCAATGGATTTCAAGACCAACCCCTTTATATGTTATGTCAAGACCACACTGGCAAC
TGATGCATGATATTAAAGAAACATGGCATTCCTCCCTGAAGTACCAAGATCTGAGTGCACTCCATGTATCCTGTGCTCAGGAGAGCGGAA
TGGAACTTGACCTGCTGTCTGTACTGTGCTGCCAGCATCAATGTATAGGCTTATTACAAAACCTGTAGTTAAACTGCAACTTTAGC
CTTGGGACCATTTATTAAAAATTAACTATTTCATTTTCCAGCCTGTATTGTGTCAGCATTAATGCAAAAAAATGGATGACTG
CGAGATGGGGTCACATATCTGTGTTCCCTATGGAAACTTTTTTTTTTTCTAATGGTTTTTGAAGTATATTGAAGATGCTAATTAT
TTACTCAAGCAATTGTAGCTTGTGTTTGGCCAGTCATTCATGGCCAGTTTACAAATAANNGTCCNNNNNNNANNNNNNNNN
NN
NNNNNNNNNANGGGGCGNNNNAGGCCCTTTNNNCCCTTNAAAAATNNNGGGGGGGGNTTNNCCNNNNCCCCCCCGNAAAANANCN

Q9925542.Seq

TNCAGCTTTNGTTCTNTTTGCAGGATCCCTCGATTTCGAATTCGTTCGACCCACGCGTCCGATGGGAAGCTGCCCATGGGCAAAATTTTC
 CCAGTGTTCATAAATGACCCCAATTGTGTGTTAAAGCGGAAGTAGAACCCACCCCTCCTCATGTACAGGAAAATTTACTTTTGTGCACTA
 AATAAGAAAAATAAGCCACTTTCATTTTCAAACTTGGTGTAAAAATAAACTGCTTTTGTGTGTTATGTTTGAGTAAGACAAATAA
 TGCTGCTCTTGGTACCCACATCTGTTGAAAAAGATGATTGGCGATGGATTGCTTTACTTGTACTGTAGCTCTCTTGACAGCAGATGT
 ACAAAAATAAAAAACCAACTAGCAAGGGCTGTTTCATGTTTCACACAAATTAACAAAGGGTACATCCTTAAAAATCCGATGTGCATAAACCT
 TGCATTTTGCAGCGCTGGATCTCATTACCACTTCTAGAAAATGTGTATAGGCCCTATACATACACAGGATCTCTCTGCATATATATG
 GTACATACCTAAACATTTTAAACACAAAGTTTAAACCAATAACAGCTGTACAGATTAAATTTATGCAATTTCTCCCAATAGTAATTAGTTCC
 TTAATATTAAATAACTTAATCTTTTACTTTTAGTCAAAAAGTTATTTGTTCTGGAATGCACCTGAAGAACCTTGGGATTAN
 GTATTTAAGTTTATTACCCCTGGTATCCCAANACATGAAAAATCTACGTGGTAAATTANGATTTCNAAGGAACCTGGTGGTG

Q9925543.Seq

TCNAGCTTTTGTCTNTTTGCAGGATCCCTCGATTTCGAATTCGTACCCACGCGTCGCGGCCCTTGCCCTGCTAGAGCAGATCGAT
 TCCTTTAAAGCACCAACGCTCTATAGACAAACCCTTCAGGTTATGCGTGTCTGATGTTTTCAAAGATCAAGGCTCTGGATTTTGT
 GTGACTGCTAAGATAGAGCTGGCTTTGTCCAAACTGGTGACCGTTTACTTGCTATGCCCTCCCAATGAAACTTGCAACCGTAAAGGA
 ATCACAATTGCACCAAGAGGCTGTTGACTGGGCAGCAGGGGATCACGTTAGTCTCATTAACTGGCATGGATATCATCAAAATC
 AATGTCGGTTGTGTAATTTGCAGTCCAAATGAACCTATAAAGGTTGCACTCGCTTCCGAGCCCGGGTTCTCATCTTCAACTTTGAG
 GTTCCCTATAACGCAAGGTTTTCTGTGCTTATACATTATCAAACTGTGATTGAGCCTGCCACTATCAGAAAGCTGGTCAGTGTACTA
 CACAAAGTACAGGAGAAGTGTGAAGAAAGCCAAAGTGTGACAAAGGGAATGAATGCAGTGATAGAAATTACAGACACAAAGG
 CCTATAGCTGTGGAATTGTCAAAGACTTCAAAAAAAGTTCGGAAGGTCAATGTTGCGCTACAGCCGGATCATCTATAGCTGCTGGAGTTG
 TACCGAGATAANGAATGACCTTCCAATATATGGGAATGCTTCCCTTGNACAAACAGCATACTACTTGAATTCTAAGGNAAAA

Q992555.5eq

U

Q9925556. Seq

Page 1

Q9925557.Seq
CTAGCTCTNGTTCCTTTTGCAGGATCCCATCGATTCCGAATTCGTGACCCACGCTCCGGCGAGGCTGGCGGTGGAGGTGGATACAG
CTGAACAGACACCGTGACATGAGTTCCCGAGCCATATTGCTTTTGTGAAATTAATTGTCATGCCTCTGCTATGATGGCTGACAGAG
GAGGCTATAACCGGTGCACTCTGAGAAGAGATGACCCACAGAGCCAGCCAGGAAAGCCTATGACTTCCTTCTGAAGTTCCCT
TTTGGTTGGGATAGTGAATGTTGGCAAAGGAGATACTGGCAAGCTTGCAAGTGGATCCACAGATCGCCTTATGTTTCAATAT
GGGATCGACTACAAGACAACCAATATTACTGGATGTCGTCGGATAAAGTTACAGCTCTGGGACACGTCAGGGCAGGGAAGGTT
CTGCACAATATTTCGTCCTATTTCGAGGGGTGCTCAGGGTGTAATTCGGTGATGACATCACAAACCGCTGGTCGTTTGACCGGGAT
AGATCGGTGGATTAAAGAGATAGATGAGCATGCTCCTGGGTGCCAAAATCCTGTTGGGAACCGGCTTCATTGGCCCTTAAACG
GCAGGTGTCAACAGACCAAGCACAACCTTCCTGAGCGGCTCGGCATGACATTCTTCGANGTCAGCCCCCTGTGTAACTTCAATATC
ACGGAGTCGTTCACTGACCTGGCAGGATAGTTCCTNATGAGACATTGGGATGGACCCCGACTTTTGGANGCCCAACAN

Q9925558.Seq

TTTGANATCCCTTNATTTGTTCTCTTTGCAGGATCCCATCGATTCGAATTCTGTCGACCCACCGCTCCGCGACGCGTGGGTGGATT
GCCTTCGCTCATTTCCCCAGACTGGTCAGTCTCTCTGTAGTACCGGCGCTCATCCGCCGAGGCACAGCCATGTATATCCC
TCCTCTACTCGTATCCCTCTCTCTCGTCCCGTGCAGACAGTGTAGGCGGAGCAGAGTGACGGGAGGTTCGAGGAGAC
CGGGCGGCTCATTTGTTCAGATCCGAGGAGTTCAAGTGTAGGGGGCGCAGTGTCTGCAAGACAAGAGTACCGCGAGGCCATCGGCA
AATACCAACCGGCTCTGCTGGAGCTGAAGGACTGAGTGACGGGGACAAATCTGTCTGTCTCCGGGGCCACTCACCCGGCCGGAC
TGACTGACGAGCAGAGACTGGACGTGGAGAAATATCCAGCTGGATTGTTACAATAGTCTGGCGCGTGCCTCTGCAAGCGGAGCTGG
TGAATTACGAGCGAGTGAAGGAGTACTGCCTGAAAGTCTTAAGAAGGAAGGGAGAAATTTAAGGCCCTGTACAGATCTGGCGT
GGCCTTACCACTGGGAGACTATGATAAATCATTTGCACTACTTGAAGGAAGCCAAAGAGCCGACAGGCAACAAGACACCAATGTGA
TCAAGGTACATTTCCAACTGGGCCGAGATGAAGCTTAACANAAACNCTTCCGAGAGAAAAGGACINTTTCATTAGAAAAAGGACCACT
TTACTTA

Q9925559.Seq

ITNGATGCCCCCTNGTTTGATACCCCTTGCANGATCCCATCGATTGGAATNCGTCGACCCACGGCTCCGGCTGGGTGCTTGTGGTGC
 AGCNTTTGACCTAAANCTGAAAGAAATGAGGCGCAGTATGGTATCCAGTGGCCACATCCTTACAACCTCC'TNTGTGGTGGAGCCA
 3CAGTGGGTTCCANAATCGGTGCCCTCNCCAGGTGGAAGTCCAGCCTAACTTGCCTCAAAGAACTGTGCTGGGGTGATAAGTGACA
 ACNAACAAACACANAAGATCCATTAGTCGGGGTGGTGGGCTTCCAAAGCCCAAGTTTACGGTCTATGTGGATGAGCANGAGCAGCCACANAAACCT
 AATTCCCTGTCTGCAAAACCCAGCACCTGTTGTTGATGAAGTGGATTCAAATCTTGTGAAGCAGAAATCCACCTGCTTNTAGATATCANNG
 ATTCAATTGAAGNTGATTGTCCAGTTTGGATGAAGTGGATTCAAATCTTGTGAAGCAGAACTTCAATAACCGGATCCTGATGCTNNAGNCCNTNT
 CAGCTTCTTCCAAATGGNGGTTGACGCTCTTCCAGACAAAGCNAAGAGGATGACTTCAATAACCGGATCCTGATGCTNNAGNCCNTNT
 CAGAAATNTATTGATGACATTTACCCNCTTCCCTGGNAGAGGNTNNNGTAAANCAACCGATAGGNTTAATTACTTGCCTTAT
 GCNNGCAAAACATTTCNATTAGCAATGCNTTCCAATCNTTGTGGACTGGGNTAATTTAAGTTTNGTNGAAANAATCCAAAGCTCCNCA
 CCANNGNNTNTTTTN

Q9925561.Seq

TCCCGTCTATTGTTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACCGGTCCGCGCGAGTGGAGGACGCTATGGCTGG
 TGTGAGTCGGGTGTTTGTCTCGTTATGGAGAAGATGCGGGGTGCAGGAGCTTCGGGTGCCCTTGGCTTCTTATCATAGAAGGTAGT
 TGATCATATGAAAAATCCAAAGAAATGTTGGATCCCTTGACAAGAAATGTTGGACAGGTTTGGTGGCGCACCAGCATG
 CGGTGATGTCAATGAAACTACAGATTGAAGTGGATGACAAATGGAATAATTATGAAGCCAAATTCAAAACGTTTGGTTGGTCTGC
 CATTGCCCTCCAGTTCTCTGGCCACAGAAATGGGTTAAGGAAAAAACGGTTGATGAAGCTATGACTATCAGGAATAACAGACATAGCCAA
 AGAACTGTGCCCTTCCACCTGTGAAGCTTCACTGTTCCATGTTAGCTGAAGATGCCATTAGAGCAGCCCTGGCAGATTACAGACTGAA
 GCAGGATAAAGAAGCTGCAGCAAGTGGCTAACTGAGCCGAGTATGAGCTGTACCATCATGGCGACATTCAGTCACCTTATGCCG
 TTCCCTTTGGGCATTAAACATGTCTTTTACCATTGTGAACAGCAGATTTTGTATACCCACAATTATATAGCAGCTTGTCAAACCTGNGTGTG
 AATCTCCTACTAATAATGCGATTACTTTCAATTTGCAAGCTGAGTNTATTTAGATATTGAAAAAGAAAGTACTTTGN

Q9925562.Seq

ANATCNAGCTCTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGAGATCGAAGGCTTAATGTCTGGGA
 TTTGAGTAAAAATTGGAGAGGAACAGTCGGCAGAAGATGCTGAGGATGGACCTCCTGAGCTTTTGTATACATGGAGGCACACTGC
 AAAAATTTCTGACTTCAGCTGGAACCCAAATGAACCATGGGTGATCTGTTCACTGTCTGAAGATAACATCATGCAAAATATGCCAGAT
 GGCTGAAAAATATTTACAATGATGAAGAACCTGACATCCCAGCTTCTGAGCTAGAAGCTCAAGGATCATAGATCTTTTGTGTTTGT
 TTTCTTTTTCATATTCACTCATGATTCGAGATGCTGCCACATTTGTGAAGTGGTTAAATGTTGTGAAGTTCAATTTGCAATTATG
 AGTACATGTATTGACCATATTTTCTTTGTAAATTGTACTGNAATATTCTTGCTCTTTGTATTGGACACCTGGGCTTACAGAAAGTGG
 CTGGTGGATTAAAAAAGGCGCGCAAGGCTCTCGAGCCTCTAGAACTATAGTGAGTCGTATTACCGTAGATCCAG
 ACATGATAAGATCATTTGATGAGTTTGGACAAACCACTAGAAATGCAGTGAAAAAATGCTTTATTTGTGAAATTTGGGATGCTAT
 TGCTTTATTGTACCATTATAAGCTGCAATAAACAAGTTAACACCAATGCATTCAATTTTATGTTTCANGGTC

Q9925563.Seq

TTTGAANTCCATNTTTGGTTNCNTTTGCAGGATCCCATCGAATTCGAATTCGTGACCCACGCGTCCGGGCCCGCGGATGTCGCAGTG
TCGTGACGTGTTGACAGTAACCGGCAGCGGGAACATGGCTGAGGCAGAGAGCTATAGAGGCCGGAGGAGAACCCAGCAAGTAACAG
GGAGAAAACCTGCTGAGGAGCTAAAGGAACAAGCGAATGAATACCTTCAGGGTAAAAGATTATGACAATGCTGTGCAGTATTACACCCA
AGCCATTGCTCTTAGTCCAGACACTGCTATTACTATGGGAATCGCAGTCTGGCATACTCAGAACTGAATGTTATGGCTATGCCCT
TGCCGATGCTTCCCGTGCCATCCAGCTGGATGCCAAATACATCAAGGTTACTACAGAAGGCAGCCAGTAATATGCCCTGGGGAA
GCTGAAAGCTGCTTAAAGGACTATGAGACGGTAGTTAAAGTGCGTCTCATGACAAAGATGCCCAAATGAAGTTTCAAGAGTGCAG
TAACTGGTCCGTCAGAAAGCTTTTGAAGGGCAATCGCTTGTGAACAGCAACCCCGTCAGTGGTGGACTCACTTGACATCGAAG
GAATGACCATAGAAGATGAGTNTACAGGTCCACAGTTGAAGGATGGGAACGTCCCATGGATTATGTTGGAGTTGATGCAGTTTAT
AAAGATCAANAAAAGCTTCA TCGGAAATGTGTATATCANATGCTGGTACAAGTTNAAGATATTGGCTNAACTNCCCANC

Q9925564.1 Seq

TNCAGNTATTGTCTCTNTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGGTACGTTCTCTTCACTTACAGCTGCTG
CAGCCTATTGTCTTGCCCAATTATGCACTCAACAAAGTGTCTTGCCCTGAACAACCTGGAAGCCTTTACTGGCTACGCACTGAGTGACA
TAGCACCTTGCCCTTAGTGATTGCAACCAATTCTGTCTTGGTGCCCTTATCAGGCTCAGCAAGCAATAAGGAGAAAGTACAAGACCA
CCAAGTATATGCAAGTGTCTCTTCTGGAGATGCCGTCAATACTTCCCTCAACTGAAGCCTTCCAGAGTGGACGACACACAGCACT
TACCTCGTGATCAACAGTGTGGTCTTTTATGAAGACACTGCAAGGCCAAGTGTCCAATGGAGCTATTTTATTATTGACCTTCATA
CCAAGACTCCTGTGCTTTTATAATGTACTTTTTTATTCTGTGTAAACTATAGGACCTTATTTATAACAAGCCCTCAGATTGGACACTA
GTTGCTGACTGTGGGATTTAGTCTATGGACATCAATCATGTCTAAAAGTCACTTAGTTGGGATGTACTACTACAAATCAGAACTCT
ATTGGTAGTGCACTGGTTAACAGACATCAGTATTCTATTAGACTTGGACAACTCTGACTGTCTCTCCCTACAGTCGAGCTTCTTTCAGG
AAATTAAAGTTTTTTTTTTTTTGGTNAAACATCGTCGACATTGAACTGNTTTTATTTTCCCANGTGGCTTAACTTGNG

Q9925589.Seq

NTTTTGAAATCCAGTCTACTTGTCTTTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACCGTCCGCGCTTAGGCTTTGCAC
 AAGCTTGCGGGCTATTCTATCGCAACATTAGTTGACATTAGCAATTGTATAGTCACGTCGTGACGCGCAATAGAGCAGTCTT
 GCTTCCTTGTATAGAAATCCAGCGCCTGAGGAAAGTCAACCGTAGAGTTCCACTGCTTTATCGCTCCGGGCGAGCCCTTTTCCTC
 TGCAACATTGTGCTCGTAATAATATCGCATGTCTCTATCCAGAACTCAACTTTTCGACCCCTTTGCTGATGCAACTAAGGGTGAC
 GACTTACTCCCGCAGGGA CTGAGGATTATATCCATATAAGAAATCCAGCAACGTAACGGCAGGAAACATTAACTGTACAGGGA
 ATCGCAGATGATTATGACAAAAAGAGCTTGTAAAAGCTTTCAGAGAAAGAAATTTGCTTGTAAATGGTACTGTGATTGAGCATCCTGAA
 TACGGAGAAAGTCATCCAGCTTCAGGGAGATCAACGAAAAAACAATCTGCCAATTTCTTATGGAGATTGGCATTGTCAAGGAAAGAACAA
 TTAAAGGTCCATGGTTTCTGAGATGTGGATAACATAAGATACTTGGCAGCCTTGGCTATTTTGGGAACCATGAATATTTGCAGTAGA
 AGGACTTTTAAACATGTCTTGAGCATCAAAACTAGGTCCATTTTTGTCATGACTACCCGAAAAAGTGTAAATGATTAGGCTAN

Q9925591.Seq

ATATCAATCTACTTGTCTTTTTCAGGATCCCATCGAATTCGAATTCGTGACCCACGCGTCCGAGCACACATTCCTCCTTCATGAATGC
CACAAACCATGCCATTGTACAAACGTTGGTACATTTCAATTAACCCAGAGACTGTCCCTAAGCCATGCTGTGCACCAACTCAGCTCAA
TGGTATTTCTGTTTTTAACTTTGATGACAGTGCCCAATGTTATATAAAGAAATACAAAAATATGGTGGTTCAAGCCTGTGGTTGCCA
TTGACAAATAGCAGTTATTCTGTTTTTAAACAGTCAATTTAATGGTATTGTCTTATGTTTATTTTAAAGTAGAGATACCTTGACCATCA
CACTTAAAAAATGCATTGTACACCTTAACGGATGAAAAGATTTTGTGTTTTCATGATGATTTTTCATGCGAGTTAGGA
AAATGTTATATGTTCAATTTCTGTAATGTATTGGCATGTTATTGTATCCAAAGAGAAACAATGACTGATGCAATCAAAAATATGTCT
CTTCAACAGAAAATGTACAACTGCAATGGGCAAAATAATTAAACAATTTTAAGACACTATTCTGCTTTTCTTGTAGGGGGAACCTGTTA
CCTAAAGACCTAAATGTATCATCATTTGTTCAAGTATTTTGTCTTATCAGACTTTTTTGTAGTTTGNGTGTAATTTCACCACCTTCATG
TGATTTCCTTACAGCACTGCAGCTTGATACCTTGCTATCAAAATCTTTCCCATACACTATTINCTTANAGA

Q9925592.Seq

ATATNCCGTCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGGTTCATGACTATGATATGAGAG
 IGGATGATTTTCTTCGACGAACGCAAGCTGTGGTGAAGAAAGAGCCGACCCAGAGAGCGTGAAAGAGAGCGGAGAAAGGGAAC
 TCCCAGAGACAACCGACGGGACAGAGGCCGTGATCGTGATAGAGATCGTGACAGAGACAGGATGCGCGATAGGACAGAGGGGACA
 GAGGATAGGGGCAGATACAGGAGATAAATTTCCCTGGCCAGCACTGGTTATGTCCCTTTATGAACTTTAGCTTGATATATCTCCTT
 ATGCCGTTTACAAAATAGTGACATTTCTGTTCAATCTGTGAAAAGCTTAGAGAATACTGCTCCTTTTATATCATTTGATCCTCTGTG
 TGCAATGCGGTATAAAGTGGAGAAATATTAAAAAAAGGCGCGCCGCAAGCCCTCTCGAGCCCTAGAACTATAGTGAG
 TCGTATTACGTAGATCCAGACATGATAAGATACATTGATGAGTTTGGACAAACCACTAGAAATGCAGTGAAGAAATGCTTTATT
 TGTGAAATTTGNGATGCTTTTGTGCTTTATTGTGACCATTTTAAAGCTGCAATAAAACAAGTTAACACACCAATTGCNTTCATTTTATT
 GTTTCANGTTCAAGGGGGANGNNGTGGGANGGTTTTTTTAAATTCGCGGGGCGCCCGGNGGCCAATGCATTTGGCCT

Q9925593.Seq

NTTTGATATNCNATCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTCCGACCCACCGCTCCGGTGAGAGAAAGAGTAGA
 TTCCCGGTTCCGTTGTCGCATCCTCCCTTCTCCGACTGCTTTGCCGCTCTAGTCTATGGCACGTCTCCTCGTTCTCTGGTGTCCGCCGCT
 GTGAGCGGAGTGTCTGTCAAGTGTGACACTGTGAGCGCGCGCCGCAATCCACAGAGACGCCGGCCTCCTTCCCTGGCTGCTGC
 TGCTCTGGCCCGGATCCGTGCGGGGACTTTTATGCGGGGACCGGAGCACGAGACGCCCTGCAGATCCTATTCCAGGAGTTGGA
 CGTCAACAAGGACGGAGCCATCTGCATCAATGACTTTGGCGGTGGACTCAAGCGCTCGGGTGCACTCGCACTGAGCTGGAGCTGAG
 GAAAATCGTAAAGCTGGGACCAAGGACCAAGGATGGACAGCTGGACTTTGACGAGTTTGTACATTACCTCCGAGATCACGAGAAGAA
 GCTCAGACTGGTTTCAAGAGCTTGGACAAAGAAAATGACGGTCGAATTGATGCCAGGAGATAATGCAGTCGCTCCGGGACTTGGG
 GGTGAACATATCTGAGCAGCAAGCAGAAAAGATCCTGAAGAGAAATTAGAACTGGACGTTGGGGTCTGTCAACCCACATGGATNAAAA
 TGGAAACAATGACCATTGACTGGAATGAATGGAGAGACTATCACCTTTTGCAATTCAGCAGAAAAACATTCCAAAAGAT

Q9925594.Seq

TNNTTTGAAATNCAGTCTACTTGTCTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCCGTCCGCCCCAGCACCCAGGAAT
 TTTGGGACCTCCACCTCCAGGCTTACATATGGGAGGTGGCCCAAGATGGAGGTACAGAGGCACCTAGATCTGGGAAATGAAGATAT
 AACAGGAGCAAGAAACACCCAGAGGGGAAGACAGGCTAACAGTAGAGTTGTTTCATGTTATGGATTTCCAAAGGGGCCCTCGCTTAAG
 ACAGCAGCTCCTGCAGCTCGCAGAACCATTTGGAGAAATAACAACTATTTAATTTTAAAAAAATAAATGAGGCATTATTGAAAT
 GTCTACATCTGATGAGGCTGTAGCTGCAGTAGATTACTACAGAACAAACACGGCTCTTGTATTTGGACAACCCAGTTGTAGTTCATTT
 GTCTCAGAAAGTATAAGAGAATTAAAGAAACAGAGCCAGGCCCTGAACCAAAACCTGTTGTGAAACCCAGATGTTGGGAATGTGGTTTA
 TCTGAGTAACTTGCCGCATTCTGGCTATTCTGACAGTGCCGTAATAAACTTGTGAGGCATATGGAAAGTAAAAACCTACATATT
 GATCGGAAAGAAAAACCCAGGCATTATTGAAATGGAGAAAGGAAGACGTGCAGACAATGATTGAGCAGTGTCAAAAAAATCCACT
 CTGGTTTCAGGGGAAGCATGTGAATGTAGACCTGTCTGGAATAACAAAACACTTGTCTTTCGGGATCCCAACAAGTTN

44307660

Q9925595.Seq

TNNTTTGATATCAAGCTACTTGTTCCTTTTGCAGGATCCCATCGATTTCGAATTCGTCCGACCCACCGCTCCGGCCAGGAGTTGTGATG
GTGGAAGCTGGTCGCTGGATGGATAGATGTGTGTAGCTCCGAGTGGGATTCCTTGTCTGAGCCGGTGAGGAGGTATCACAGCGCAG
TAAAGGCTCATTTGTTACCTGATAGCCCTCAGTTAACCCCTCAGTAGTTGTGAGTGGTCCGGAGGCTCGGCATGGCTCCAGGAAAGG
AGAACTGACAGAGGACGAGAGGCAGCTGCTCACACACATCTCCCAAGGGAACATTTCAGGAACTCGGAGGCTTTTAGGAAGCAAGGA
TGTCCGTGTTAACTGTTTGGATGAGCTTTCAAAATCCGTGCTGATTCGGATAGCCCAATAAAAAAGAAAAATTGCTCTTTA
TGGCTATAATAAAGGAAAAATTTGTGAATTCCTCCACAAAAATTCAGAAAAATTCGTGAACGGTGAAGAATTAGCGGAAAGATTGTGAAA
TCGGATAGTTTACGAAAAATTTTGGACAAATTTTCATGAAAAATCTTGAAAAATGTTACATTTTCATGCAAAATAGGAAAAATCGGAA
ATTGACACTGGAGAAATTTTCGTGGAAGATTGCAAAATTTATTCCTCCGCAATTGGAACGCGGGTGTTCGCTGCAAAATTCATGCCANCC
GAAATTTATTGCCCCATCACTAGCTACAATTTTATTACTATTGCTGGTTTTTTCATCATTCATCTAATTAGTCCCTNCCN

TCGA-CHGT-660

Q9925596.Seq

ANNCCNNNNNTTGGAAAANCNAGCANCNGGCCNNNNNGCAGGAACCCATCGAANCGAN

Q9925597.1

Q9925597.Seq

TTTGATACCCCTTTGTTGAAATCNATCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGGAC
TGGCTGGCAGCGCGTGAGTTTAGCTCTTAACGGCCGCCAATTTTACAACCAACACACTCCGCCGGACAAGGAGCTGCTGCAACAC
GAGGGCGCGTTTCGTCCTAGAGCGAGGAGGAAAGAACGGGAAACGGCAGAGGAGGAGCTGCAACTTAAGANACCAGTCCC
GAACCTGGAATCATCGGGAGAGATGCTGCAGATATGGCTGCTGAACATGTAAATGGGAATGGTACTGAAGCCCCATGGATACTTA
TGCTGCAAGCGCCAGTCAGAGCNTNCCCNACTTTNNTTNANGCNGNTTACCANCAAAAGGTGCTNAAAANNTAANNAANNTTC
NTTNGCNGNTTTNTTGCNCCNTGGTTTACCAACCAACCATTNAGGCTTTTAANGGATTAA TNAAAAGNGCGCTTCNTGCTTTA
ACAAATTAAANGACNNGATCTTTNCATGGCCAAANAANGCCCTTTTNTGGGGTTNTAACCNCCACACAGAGANAACACACA
GGGCCCCAAAGNNGAANTTNTTAAGGGCCGTTGANCCAANAAGGGCTTTTNGTATAAACNGNGCCCTTTTGTGNAACCCN
GGNAANGAAAAATTNGGGCCCCCTCTCCAANTTTGGCNCCTGGGACANCCCTTTTGTGNANAAAAAT

Q9925598.Seq

NTTTTGATATNCCGTCTACTTGTCTTTTTTGAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGCCGAGGCTTGCCCTG
 GGGCCCTGGATGAAATGCGGGTTCCCGGAAACTATTGAATGGTCACACCGGAGGTGTCTTCAAGTTTCGGACGGAACGTGACTGGCG
 AAGATTGGATGAAAAAGAACTCCTTTAAAAATATTAAAAATGGCGGATAAAAGAGCTGCAGAGAAATGAATATGGTGTTC
 AAGATTATATGATTCTCCTGCTAAAGTGAAGCCAGTTCTGTTGATATATATGATGGAATTTCAAGTATACCAGCAGAGC
 CTTCTATACTCTCCACTCCAAACACGGGATTGTTTGATCTGTATGAGGAAATCCTGACAGAGAAATCCGCTAAAGAGGCCCTCAT
 TCAATGATTGCTGAATATGAAAAAGTGCAGAAAAAATAAGAACTCAATAACAGAGTCAAGAAATGCAAAACCCAGAAACA
 CAACCTTGCAAAATGAAAAATCAGTGTCTGAAAAAGAAATTTTTCTGCACTCATCAAGACTGCAAGAGTAGAAATTAATCGCAAAGAN
 GATGAGATCAACAGACTAAATCAGAGGTTTTCTTCTGTGAACCCCTCGCATCAATAAACACATTCCTGTGCCATTATCAGAACCCCAAT
 AAAACCAATTATAAGACGTGCCNGACAGAAAGCAGATCAAGAGAAAAATNCNGCCCAANGAAATACNGACAGTAGTGGGAAC

Q9925599.Seq

FTTGAAATCCNNTCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGACCCACGGCTCCGGATTGTTAGAGAGGTGCA
 3CGAGAAGCGCGGAGTGGAGGTTTATTAGAAATACTATACCGGCATTTAAGCGGGAAGGGCGGTATAGCTGAGCAGTAGACAGACG
 GTCGGCCATCGTCTTTTCTTATAACCCCTAGGAGGGCAGGACGTGCAGCCGCGCACTCTCCTACAGGCGCCAGTCCTTCCCCCG
 CTTTNTTCCCTCCCTCCGGATCGGTGTGCACGGTATGGCCGACCCCTCTGTTGCGGGACGAGAAATCAGGAAAATGTTCAAGCCCGAAAG
 CCCCTCGCCCTGTGGGTGGACGCACCGTGTGGGGTCTTGCAGGAAAACCAACGGGGCCCGCAGGCGCTGAAAAACGGGCAAGCCCGCA
 GCCCTCCAGCAGACTCAGGTTTGTCCGTTAATCACTTAGGAGTTAATGATGAGAAATTATGGCAAGATACCGGCAGGAAAAAGCCGCA
 ACAAACAGCCCAACTTTTACAATCCACGTGGATGAGCCAGACTGTGCAAAATAACAAGAAAGCCCTGTTTCATAAAGAACCCGTTCAA
 GATGAAAAATCTACNACACTTAATNCGGGTTTGGGTNCCATTGGTNCCTANAAAAAATTTTAAAAACCTATCCANATTGCAATGGGAAC
 TAGCTTTGGCTCTCCTATGGATATGTCAATTGNGGATGAAAAACAAAAAGTCGCTTGTAGTAAATGTTCTTGATTA

[illegible]

09925601.Seq

Q9925601.1.seq
 NTTTTGAAAATCCAGCTACTTGTTCTTTTTGCAGGATCCCATCGATTGGAATTCGTCGACCCACGCGTCCGATTTTTTTTTTACAATA
 AGTCTTTAAATTTCTTAAGTACAAAAGAGTAGGTCACTTCCAAAACATATGATCAGATACACATGGCATTTGGCTTACGATCCAT
 AAACACAAATCATGTTGGCAAAAATAAGAAAAAATTA AAAACAGACGTTCTCATATATCTTTTCATATGGCAAATACCTGGTTTCTT
 TCAATTGGCTCTTTTGTCTTACAAAAGTCAGGGAAATGCGATATATAGTCTTTTCATCAATTGCACAACCATAACTCGCCGAAAAATG
 CAGTTGTAGTTCAA CAATGGTCGAAAGAAAGTAGAAAGTTAAAGGAAAACTGTCA TTTCTTTAGTCCACATAGAAAAATGCGAGGC
 TCTTTAAACACTAGTGACGTGTAGGACTGGCATAGCTCGTGTCA CAGGATGAAAGAACTGAAACACGCTGAAGTCTATGGGCTTGTA
 CACACTAGCAACTCTCCTCAAGGGGTATTATTACAAAAA AAAAAGGGCGCCGCAAGGCCTCTCGAGCCTCTAGAACTATAGT
 GAGTCGTATTACGTAGATCCAGACATGATAAGATACATTGATGAGTTTGGCAAA CCACTAGAAATGAGTGAAAAAAATGCTTTTAT
 TTTGTGAAAATTTGTGATGCTATTGCTTTTATTGTAA CCATTATAAGCTGCAATAAAACAAGTTAACAAACCAACCAATTGC

Q9925602.Seq

TTTTGTATAACAAGCTACTTGTTCCTTTTTCAGGATCCCATCGATTCTGAATTCGTCCGACCCACGGTCCGCAGAACGATATATAG
 TGCCTGATAACTGTATATCAGTTGGTCAGATCTATGCTCTCAGGGTTCCTGGAGACGTATGGTGGTATCGGTTATTGTTTCATAGTA
 TCAAGAACTCCGAGCTGCTTGATGTCCTTTTATCCTGACTTTGGTAATGTTGCCACTGTGAAAAAAGTTGGCTGGCTTCCTCAAGA
 ATTGCTATATGAAGTTCCCTGCCAGGCAAGTCCCATCTTCTCTACCTTTTGTGACATCAACCGAGGCTCAGTGGTCCACTCAAGCTA
 TAAAAACGATTCGGCAGCTGTGTTCCCTTCCCTTAGTAGGGCTGGTGTNCAANATNNNCNAGGANGNACTCGTTNTNTTTTTT
 TNGACACCTCCTCTGCGGAAGATGTATATCTGCAACCAAGCTTTGATTGCACAAAGGCTTGCAAAAAATGGAACAAGAGCATGCATGT
 AAAAAGGTATCAAGAAATACCTTTCATGCAATTAACCTGACACCATCTCAAGAGAAACCAAGAGGAAATCATCAAAAGTCTTCAGTGCCA
 AGTGAAAGCAGCCAATCTGAAGTTCTATGTACCAAGAAACTGTCCCTTCANGTTATAGATGAAGTTGACCCCTGAGATGCCATATTTG
 GAAGCATCCCCACAGACACAGATGTATGGGATGAAAACTGGGTTTTTCTNTGTATGGTGCAGGTGACAAAGTACACCCNN

Q9925603.Seq

ANNCNTTNTTTTGATATNCNGTCTACTTGTTCCTTTTGCAGGATCCCATCGATTCCGAATTTCGTGACCCACGCGTCCGAACCAAGTG
 ACTGTTCTTCTGTGTGAGCGGAATCGGAGTGCAGGATGTTGGTTTGTAGTATTAGGAGATCTGCACATCCCTCACCGGTGTAATAGTC
 TGCCTGCAAAAGTTTAAAAAACTGCTTGTGCTGGGAAGATTTCAGCATATTCTGTGCACAGGAAAATTATGCACCAAGGAAAAGTTTGTG
 ACTACCTGAAGACCCCTGGCTGGGGACGTTTCAATTGTTCAGAGGAGACTTTCAGTGAAGAACTTAAATTATCCAGAACAAAAAGGTTGTGA
 CTGTTGGGCAGTTTAAATCGGTTTGTATTCAATGGCCACCAAGTAATACCATGGGGTGATATGGCTAGTCTGGCCTTGCTACAGAGAC
 AGTTGGATGTTGATATCCTGATTTCTGGACATACTCAAAAATTTGAAGCATTTGAACATGAAAAACAAGTTCTACATTAAACCCAGGGT
 CTGCTACCGGAGCTTACAATGCATTAGAAAAACAATATTATCCCTCCTTTGTACTGATGGATATCCAGGCCCTCCACTGTCTGCACCT
 ATGTGTACCAAGTTAATTGGAGATGATGTTAAAGTAGAAAGATAGAAATATAAGAAATCATAAAAATAAACTGCCCACTGTTTCATGG
 CCTTGATTTTTTTCATTCCATTATTAACTAAGATGGGCATGACATATCCTGCAACAGCINTAGGCAGATATAATAATAACT

Q9925604.Seq

TGAANNCCNTTNTTTGANAATCCATCTACTTGTCTTTTTCAGGATCCCATCGATTCCGAATTCGTGACCCACCGGTCCGGCAGCCG
 GCGCGGAAGAACCTTTTCCTTTCCATGGGTTGTTGCCCAAGAAAGAGACCGGTGCCGGCCCTTCTGACCCGGTATCCGCAGTATG
 ACGGGCCGGGTGCTGATCGCGATACTTGA CACTGGGTGGATCCCGGGCTCCCGCATGCAGCAACAAACAGATGGAAAGCCAA
 AGGTTATAGATATTATTGACACAACGGGAAGTGGTGA TGTGAATACCAACACTGTTGTTGAACCAAAAGATGGAGCAATTGGAGGAC
 TTTCTGGAAGAACGTTAAAGATTCCCA CAAGCTGGATAAACCTACTGGCAGATACCACATTGGTATAAAAAATGGTTTCGACTTTT
 ACCCTAAGGCACCTGAAGGAGCGGTTGCAGAAAGAACGAAACGAAAGAGAAACTTTGGGATCCTGTCCATCGGGCTGTACTAGCTGAAGCCT
 GCAAGAAACAAGAAGAGTTTGAAGCAAGTTCTAATTCTCAAGTCCAGCGGGGAAAGCTAATAAAAGAAGATCTACAGAGCCCAAGTGG
 AAATGTTAAACTCTTTTGAGAAAAAATACTGTGACCCANGTCCTGTGTATGACTGGTTTGGTATGGCATTTGATGGGGAAACCTGGG
 AGGNCCTTGATGGACACAAAGTGAA TGCCGGAAATTTTANAAGTTTNTTGTGTTTGGGAACTTACCGANAAAAACNCAAGAAAT
 TTGGGTTCC

[illegible]

Q9925605. Seq

Q9925605 . Seq
TCNAGCTCTTGTCTTTTGCAGGATCCCATCGATTCGAATTCGTGACCCACGCGTCGGACGTAAGATGCAGCGCTCTGGCCGAG
TATAAAGACAGCGCACTTAAGCGGAAGACATAGACGGTATCTGGATATTGTTGGGAGAGTGTTTCTGTGCGTGGGTTCTGCAAT
ACGGAGTGAATCAACATGGCTCGTACCAAGCAAACCTGCCGTAAATCAACTGGTGGAAAGGCTCCTCGCAAGCAATTGGCCACCAAG
GCAGCCAGGAAGAGTGCTCCATCTACTGGTGTATAAGAAAACACATCTGTACAGGCCAGGAACGTAGCTCTCCGTGAGATCCGT
AGGTACCAGAAAATCCACAGAACTCCCTAAATCCGTAAATGGCCCTCCACCGCTGGTGAGGGAGATTGCCAGGATTTCAAAAACGTGAC
CTGAGGTTCCAGAGTGCAGGCCATTTGCAGGAGGCTTAGTGAGGCTTACTTGGTTGGCTTGTGAGAGATACCAATCTCTGC
GCCATCCATGCTAAGAGAGTGACCATCATGCCAAAGATATCCAGCTGCCCGCAGAAATACGGGGAGAACGGGCATAGTCAACCCATAA
CATGGCATCTTGTAGCAAATCTGTATTATATCTTTAAATCTTGTGAAATGTTTGTATAAACCTGTTCCAGACCATGTCCTTCAGAAC
CATTCACATCTGTCACTCAGGATGAATNCTTATTTTAATAGATGCC

Q925606.seq

Q925606.seq

TCNAGCTCTTGTGTTTGTGAGGATCCCTCGATTTCGAATTCGTGACCCACGCGTCCGTGAGAGTTTCAGCAGCGCGGCAGCAGGG
ACGCAGATGTAAAGAGCAGGTTTGGTGTACCAAAATCATTTTCTAAGTCTATCCAGCGTTAAATTTTACCAGGAGCCTGAA
ATAAGTAGAACACTCTGGGAAGAGCAGTCGTCTTAATACACCATGAAATTCATTTCTTCCAGATTCAAAACCATGCTGGCTG
TCAGATGCAAGAAATGAACAATCCGTGGAACGAGTAAATCACAGAGAGGGGGATGGGAACACAGGCACTCAAACGAATGGCCTG
GACTTTCAGAAACAAGCTGTGCCCCATTGGAGCCATTACGTGCGCCCAAGCCAGGCTTTGCTCGGACACCTGCACCCAGGTCAGCTC
GCTGGCACAAAGTTTACAGGCTGTGCCATTCTTAAATGTACAGACTAAATTTAAAGAGAGCCCTGGGGAGCCGATGCAAGTGGTC
CAGCCTTCCAGCAGCCCTCACTGCAGGCAGCCATCCCCCAGACTCAGCTNATGTTAGTGGCGGACAAATCGCTGGGCTNACACTGA
CGCCGGCCAGCAGCAAAATGCTACTTCAGCANGCCAGGCCAGTTACTTTGACGCCCGCAGTGCAAGCATTTNTTGNACCCAGCAAC
ACAAAGCTTGCCGGTGCCCCATNTTGGGCTTTGCCGNCACCTTCNAT

Q9925608.Seq

ICNAGCTCTTGTCTTTTGCAGGATCCCTCGATTCGAATTCGTGACCCACGCGTCCGGCTCGGTGTGTCTGTGAATGGTCACGGT
 GTGAAAAACAAATCTGACGTTAGGGCCGGTGATTGTGAGGAGCCATGAAGCCTGCTGAAGTGAAGTATCCGCCCTCCTAGGCCCTCTT
 ATCTTGGTGTAGCAATAAATTATCCAGAAAGGATGAACACAGCCCATCGATGATCTCAGGACTAATTTGGCTGACAAATTTTAT
 CACTTGGACGCTCAGAATCCGAATCCACTCAGAAAGATTCTTTGGGTCCAGGATCATATGCAAGTTTACCTTCGTGTTCCGCCCTT
 TTACTGCTGGGAAACTGAACAAAAAGAACCCAGGACTGCATCAGCATTCCTGATTCCTCCAGTGTCTTGGTAAAGCCCCACACA
 ATTCACAGGCTTGTGACTGAGCGAAAAAGCCCAATGGATCTGTGGCTCAGAAAATTCACTTACTCATGTCTTTGGTCCAGATACAA
 CACAAGCACAGTTTTTTTGTGATGGCACAATAAAACAACATGTGATTGATTTTATAAAGGTCAAAACCGTCTGATATTTACATATGGTG
 TGACTAATGCAGGCAAGACTTTNACCTTCCAAGGTACAAAAGACAATGAGGGTATTTTGCCTCGGTCAATGGATATGCTTTTAAAT
 CCAATCAAGGAAGAGTGTNTAATAAAATGGATGTGAACCC

Q9925610.Seq

TGAANNCTCTCTTGTNNTTTGCNGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGGGAGAGAAATGTTAATCAGTC
TCTTCTGGAGCTACACAAGCTTTCACCTGATCACAATGATCCCCAATTTGTGCGACTTTCGGAGAGCCATTACCTTGACGAAACAAGT
GAACTCTATGAAGGAGCTTGGAGATCATATTACCAACCTGGCCGGATGGGGCTCCAGTAATGGATTGGCTGAATACCTGTTTGA
CAACACACATTAAGGGAGGACCATGAGTATCTCTCTCTTTTCTGCTTTTCTTATGTTCCAGCGTCCCCCTGTAGTTTAAACATA
TATCTAGTTATTGGTTTCGCTGCTTTTGTGACATCAATAAACTGAAATTTAAAAAATAAAAAAATAAAAAAATAAAAAA
AAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAA
TTTNCNTAAATCCANACATGATAAGATACNTTGGTGGTNGGACAANCNCACCTGGAATGCAGNGAATAAANNCTTTTGTGNG
AAATTTGGGANGCTTTGCTTTATTTGGAAACCATTTTAAGCTGCAATAAACAAAGTTAACANCAAAATTGCNTTTNTTTTTTTTAG
GGTCAGGGGGGNGGNNNGGAGGTTTTTAAATTTCCNGGGGCNCCCCGGGCC

Q9925612.Seq

TTGAAANCCNTNTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGAGATGTTTGGTTTGAAGACA
 AATTCCAGGAGGTGGAATGTGAGGAACAACATCTCCGAAAGTTGCACGAGTGGTGGAACCTTTAGTGAATCACAGGAAAGAACTAG
 CGCTGAAACACTGCTCTATTTGCCAAGAGTCTGGCCATGCTGGGAGCTCAGAGGATAACACAGCCCTTTCTCGGGCTTTGTCTCAAC
 TGGCTGAGGTAGAGGAAGATAGAGCAGCTACACCCAGGAGCAGGCCAACAGTGAATTTCTCTGCTTGGGAGCTATTGGCTGATT
 ACATCCGTTTGTCTCTGTGGTCAAGAGGGTATTTGATCAGCGAATAAAACCTGGCAGCGATGGCAGGATGCTCAGGCCACCTTAC
 AGAAGAAGAGAGAAACNAGGCTNGATTGCTGTGGCCACAAACCCAGACAAACTGCAACAAGCAAGGATGAGATTGCAGAGTGGG
 AATCCAGGTCAACAATATGAAANGGATTTTGAGAGGATTTCTTGNACAGTACGAAAGGAGGTGATGCCGGTTTGAGAAAAGAANA
 AGTCTTAAGGATTTAAAGGTCCATTAGTTAGAAATATTTGGAGACACTTGATGAATTCACAGCAAAACTGGNTTAAATACTGGGA
 GCGCTTTTACCTTGAGCCAAAGTTATATNCTAACTGGGGTGGATTGAANAACAC

Q9925544.Seq

TCNAGCTTTTGGTTCNCCTTTGCAGGATCCCATCGATTCTGAATTTCGTACCCACGCGTCCGCCACGATGACAGTGTGAAGAAAGATGA
 AGATGATCCCACGACGCGTATTTCAATTTCGGTCAATCAGATAAAAGGATTGCCCTGTGATGAGGAGTTCTCAGATTCTGAGGATGAAGG
 GGAGGAGGTCCGCAAAAACGTGGCCAAATTTCAAAAAGTAAACCGGGTTAAACCTGAAGAGGAAAGGAGGAGCAAGAAAGA
 TGTTAAAGAAAGAGGAGAAAGCTAAAGATGAGAAAGACGGATAGCAACCGGTAAAGAGAGACCAAAATCAGTCTGATCCTTCAACTA
 TGGGGAGAAAATCCGAAGACCAAACTAAATTTCTCATGGTTTTATATTTTGTATATGCCCTGTACAGCCCTACTATGAAAATATAAGT
 CCACACATTTCTAAATTAATTTCTGTCCCACTGGTTGAGGGGGTGAAGTTGTCGCTGTAGTGGATTAAAGCTTCACATCTGTTACCTT
 TTTTAAAGATTACATCTGTACCTTTTACCAGATGTTTCCAGCTCTTTGGCTTTTTTTTTTTTTTGGCCAAAACCTTCCATGTT
 TTCCTGTGCCCTCTGTAATCTTCGGNGGNGCAATGCATTACNGATTTTATTTCCCTGCTCCTTCTATACACACTTTTGTGTCNCAGACT
 ACAAAGACTTTTTTGTCTCCAGTACATTGGNAAATATGTNCACTTATGCTCAGGATCAGGCANTGAAAANGANGNGGGTTCCANCCGT
 CTT

Q9925545.Seq
TACAAGTTTTTGTCTTTTGCAGGATCCCATCGATTCTGAATTCTCGACCCACGGTCCGCAAGAGGACACTTACCGGTACGCT
GCCAGCTTCGTTGAAGATGGAGAGAGGAAGATTCACTGCCCGCAGAGAGAGTGTGCTGCTCCTCAGAGGTTCCGTGACGAGAGGA
GGTCGGTCGAGTCCACGCTTCGGTGCAGAGGAAGTAATTTCTCCCTCTAGCTGGACGCTCCAACAGCGCACGCAGGATGAT
GGAGGTCAATCGCTGGAGAGACGCCCGCAGCAGCCAGGACCGGAGGAGTTCGGAGGTAGCGGGTCGGAAGAAGATGTCGGCGG
TACGGAGTTGCAGGCATCGCGAGACTTGGATGACGTCACTGCCACCGGAAGTAGGTAAGGAGCCGGAGCGGTCTACACCGCTAACGG
CCCTATTACTCCAGCCACATATCCCGCAGCCGGTGGAGCAGGAGGCCCAATCCCCCAGGCAGCACCCCAAGGGCCCCAAATACG
CTCACACGCTGCCACCAACGATCGGGGGGTTTTTACGCCACGGGGCAACGCAACCCAGGGCCCTAGCCATCAAAACCCCGCC
AGACAAACCCACCCCGCCCGAACAGGGAAACCCCTTCCAGTAGCCAGANGGGGTCCCCACAAGTAGCACGGGCCGGGACCTGG
AAAACGCCGGGGGAAAGCCAGGCCCGGACCAACACCCAGCAGTCCAGCACCCACAGNCCCCCTATTTCATTAGGAATGCCCCATAG
N

09925546.Seq

Page 1

Q9925547.Seq

TACAAAGCTATTTGTTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGTCTATAGGAACGCAGAAATGAGGCCT
 GTTGTTCATTTAGGAAATAGTTTTCAGCCGCGGCGGTGTGCTTCCGGTGTCAACATGGACGCCACCATGGGTTTGTGTTTCGAG
 GACTCGGATTTTGGGAAACCCACATCTCGACTGAAGGGGACAGGGAACTTATGTGGCCAAAGCAGTCCGAGCCGAGTGGTTTCA
 GAAGAAGTGGATAGTGAAGATTCCGTTGAGATTGTCAACCGCGCTGAAGTTTCAAGCAGATATGGCCCTACAGACTGAAAGACTTTT
 AAAGCTCTTGGGATTTATGCAGTTGTTTCCCTGCTGTGTTGCCACCTACCAACACTGCAATGAGAAGGACGTCCAGGAAAGCCAGCG
 CGCTGTTTAAATTAACTGGGACGATATACAGAAGCTTTGGAGATAGCCGAGAGTCTGGGAAATGGTGTATTTAACACCCGACCACTTG
 ACGTGTAACCTCAACCTACAAGTCGCCATATTGGATCATCTGGGAACTTCCCAAAGTCAATCTTGTGTCAGCAGCTGATTTCT
 TTACACCCATTGAATCCGTGGATTTGGAAGAGACTGGCTGAAATTTACACAAGGGCCCATCTCGCTTGTCTTCCAAATCAGGCGACAGG
 ATCTGTGGAGAAAAATCCCTTTTGAGTCCATCTTAGAAAAAGTATACTGGTAAATAATCCCATGTCAATGGGAAGGAAAGGAACNAGAA
 AT

Q9925548.Seq

(NCAGCTTTTGTTCCTTGCAGGATCCCTCGATTTCGAATTCGTGACCCACGCGTCCGAAATTATAATAACAAATAACCTCATATT
 TCAATAATTTCTAATTAAACCAATCTAAATTTTAGTATAGGCGATAGAAACAATCATATAATAGCTATAGAAAAAGTACCGTAAGGG
 AAAGATGAAATAGAAATGAAATAATTAATAAGCAACAAAAGCAGAGAACTTACCTCGTACCTTTTGCAATAATGGTCTAGCTAGCC
 CTAATCTTGGGCAGAGTATTAGATTGTTGTGCAGCCAAAAGCTCTTCAATCTAAATGACCGTATCCCATGTTTCTATATATACAC
 TAAATCTTGGGCAGAGTATTAGATTGTTGTGCAGCCAAAAGCAGGTCCTCGGTCTCAAAGCTCCATTCAAGTTTCCCAAGAAA
 TCCCTGTATCATACACCTTACATAATACTCCAGCCATGCCAAGCACCAGGTCCTCGGTCTCCCTCCCGCTCTCTCCAC
 AGACTTCTCAGACACGCGCCAAAGAGCCCTCAGGTGCAAGAGCAAGTCTGAGATCTGCTCCTCGGTCTCCCTCCCGCTCTCTCCAC
 TTCCCAAGAGCTTCCCTCAGTCCACGCAACCGGCTCGGTGATGACAAATCGTTGCAACATTCTCCGACATTAAAGCTGCTCCCCAC
 CCAAGCAGTCTCGCAAGAGAGACTGGCCAGCCACCCCCCTAAGGGCGCCGTTTACTTTTGTGATGAGAACCCAGGCTGNAGCAGCGACA
 CCACINTTCCCCCTTNAANAAGGTTACAGGATCCTTATNTGNTGTNCCCTGGGAGAAANGGCAANAAAACCNCCCAGCTTT

4444 2460T660

Q9925549.Seq

TNCNAGCTTTTGTCTNTTTGCAGGATCCCATCGAATTCGAATTCGTGACCCACGCGTCCGGGGAAGGAAGGTTGCCGCGCAACG
ACCAATCAGTGAGAGGCATAACTCGTAAGGGTAGTCGTGAGGGACAAATTGTATGAAGTAATCCTGTGCGCCTTGAGGAGAGCGCTGC
CAATGGGATGATTCAATGCCAAGGTTGCGAGTGGAAAGCCGACGGAGAGAGTGTATGCGTTCCTCAGCGGTAAAGCGTTTGCT
CGCAGCAGGTCAATCCTTTGAACAGATGGATAATGGAGACTGGGGGCACAGGATGACTGATCCAGTCACACTGAATGTAGGCGGCCA
TGTCTACACCACTCCCTCTCCACTCTGACTCGCTATCCAGACTCCATGCTGGGGCGGATGTTTCAGGGGGGATTTCCCCACGGCTCG
GGACTCCCAGGGGAAC TACTTCATTGACAGAGACGGGGCTCTTTCCGGTACATCCTGAACCTTTACGGACATCAGAACTGACTGT
GCCGGTTGACTTTAAGGAGTTTCGATTTGCTCCGACAGAGAGCCGATTTTATCAAATTGACCTTTAATCCAATGTCTGAACGATCCC
AAACCCCTGTACCCCA CGGACACCTTTGAGGAAAGTGGTGGAACTCTCGAGTACCCCGAAAGCTTGTCCAAGTATTNCAACCCCGTG
GCGGGCATNATACGCAACTNANCATCACCANCCANGTGCACGCCCTTGTGGAAAGCTTTGCCACCATTTTACCCCAATGGAACAAACA
CN

Q9925551.Seq

TGATATCCCGTCTTTTGTTCNTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGTTGTTGCTGCTGGTGC
 TGGTGTCTTAGTGCACGCTGAGTATCCGCGGAGTCCGTGCTATGTGAAGCGGGGAATTCAGTCCCAACGTCATGTCTGTT
 CTAGCGGGCTGTGGAGGAGGATTCCCGTTGCTGCGAGTCCAGATCAGATGTCTAACTGGAAATCTTCGTTTAAACTCGGCAGTG
 TTTTACAGCACACAGCCACCCCTCTAGTGTAAACCGTTAACTATAGCCATGGACTCCAGTGATAACCCCTTACACTCCCCCTCTCGG
 AATGAGCGCTGCCAGTTCACATCAAAACCCCTTAACTACAGTGGGACGTTCTTAGGAGACATTAAAAAGGAAGACCGAGGCATT
 GATGTGTTGCTGCTCTTCCACAGATGATACCAAGTTTCTAACTCCACTTTAATGGATGTTTGCCTAATGAATGACTTTAAACTC
 AACATTAAACAACCTGTATGTACACGTCAGCCACCCCTCCAGAGATAAACCTTATCATCAAGAGTCTAGGAAATGGACACCATTA
 ACTCTGGNTCATCGTCTGTATACAGCTCTGCCAGGAACATCATCTTAAAGAAGAACAGGAATTACTTAAGANGCTTGATAGTC
 TTAAGGAGCACTTCAGCCNCTAGAGCAGATGAAGTCGATGATNCTAACCAATCAAAATGCCCAGANCNCNCCGNTNATGTGGATTGG
 ACTTG

Q9925552.seq

Page 1

19925553.1

TNCAGCTTTTGTCTTTTGCAGGATCCCTCGATTGGAATTCGTCGACCCACGCGTCCGCCAAGCCAGAGATCTGCTGCGAAAAATG
CTAGTAATAGATGCATCCAAAGAGAAATCTCTGTAGATGACGCTTTGCAGCATCTTATATCAATGTTTGGTACGACCCCTGGAAGCC
GAAGCACCAACCAAGATTCCAGACAAACAATTGGATGAGCGAGAACACACTATAGAAAGATGGAAAGAGCTCATATACAAGGAA
GTTTGGACTGGGAAGAGAGAGCTAAGAAATGGAGTAATCCGTGGTCAGCCAGCCCTTTAGCACAGGTGCAGCAGTAACCTGATGGTT
CCCAGGCTCATACCTCCTCATCATCAGGCGACGCTTCCCTCCATGTCAACAGATCCAACTCTGCCCTCAGACACAGACAGCAGCCTTG
AAACCTCTGCAGGAACCTGGTTGCTGTCGATGACTTATTGGCAGAGGGTGGGAGGGATATAGGCCGCGCAGGGAGGAGGTTG
TGGGGACCTCTAGGGTAGCACAGTTTGACTGGGAAATGCCACTTGTATTATTTCTATTGATTATCATTAACCCCTTAGTTGCCA
GATCTTGTGATTGCATTGCAGTCAAAAGGTCTGAAAGATGGATTANATTCAGTTTCAATTTAAGTACTGGGANGAGCCCAACTACT
TCCTTACTCTTACCAGATTAAATTTGGTAAAAAGNGGGGTTGCAATTTTNAATTTAGTGTGNAATTTGAACACTTAAAGTCT
G

Q9925554.Seq

TTTANATNCCATCTACTTATTCTCTTTGCANGATCCCATCGATTTCNAATTCGTCGACCTGCAGGGGGGGGGGGGGTTTTTT
TTTTTTTNAATTTTTTTTNTNCTTTAAANAAAAAATACTTTTTTTTATTTTACCAATCAAAATNTCTACATTTTCCCAANA
ANATTTTTTAAATTAATTTNANTTNTTNAACATAAAAACTCCATCCCNTTTTCTNTANCCTTTTNNATNNTAACCAATCCT
AATCANTCNCATANATAAATCACTTTTATTTTAAANATNAANNTTACTNCTTTTTCTTTNNNTNTCCAAAAAACTTTCTA
AATNTNTANAAAAACAACACNACTTATCCCTTTCCCTTCCNTTNTTAAANNTATTTTATCAAAAAAAACCAANCCCANAAANTN
AANTNTTAAATAATTTNATNTAACCTTNTTTTNCANAAAAANNTTCANANCTTATNATTTANTNAANANNTTTAAATT
NTCTAACCTTCCNTTTCNTNTTATAAAAAAANTTNCACAAATTTTTTATTTCTTCCAAAAAAACNTCTNANATTTAAATT
NTCCCTTTTNCCTTTTAAACCANANTAAATACAAAAANCCNAATAATAAANTTTTACTTTTATTAATNTCCCNNTTNNCCTNAANNNA
TCNTNAAAAATTCCCTTTTATTTTTTNTTCTCTCNATACCTCNTTATATTCNTNCCCNNTANTTNNTTCTTTAANNATCTNNCCTTNN
ACNTTTTTTTTNTNTNN

Q9925488.Seq
 AAATCAAGCTCTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGCGCGAAGATGCCGGGGACTTT
 GTACACATACCTGATAACTGGAGGGCATACAAGCCCTCATCGCTGCTCAGTATTTCGGGGTTTCCCATCAAGTTGCCCTCCTCTGC
 TCCAGAAATCCAGTTTGGGTAACAAATAAGACACCCGAGTTTCTAAAGAAATTCCCTTAGGCAAGGTACCAGCATTTGAGGGCAA
 AGACGGTTTTTGCCTTTTGAAGAGCAGTGCCATTGCTCATTTATGTGGTAATGATGAGCTCCGTGGAACCACTCGTTTACACCAAGC
 TCAGGTCAATTCAGTGGTTAGCTTCTCAGACAGTCACATTGTCCCTCCGGCCAGCGCATGGGTTTTTCCCACTCTTGGGATCATGCA
 GTATAATAAGCAGGCCACAGAACAAGCCAGGAGAGATCAAGACTGTGCTTGGTGTTTTAGATTCTCATCTGCAGACACGGACATT
 CCTAGTCGGCGAGAGGATCACACTGGCTGATATAACTGTGTACATGCTCTTCTGTGGCTCTATAAGCANGTCCGTGAAACCATNCTT
 NCGCCAGCCTTTTGGTAATGTCAAGAGTGTTTGTGACCTGTGTGAATNACCAGAGTCCCGTGTGGTTGGGAGAAAGTAAACT
 TTGTGACAAGATGGCACAAAGTTTGATGCCAANAAGTTTGCCGAGATGCAGCCCCAAAT

Q9925489.Seq

AAATNCAAGCTCTTGTCTTTTTCAGGATCCCATCGATTTCGAAATTCGTGACCCACGCGTCCGATTAGTTAATAGCAAAGCTGATG
 TAAATTGCTATACTTTCAGTCTTCGGGAAAGAGCTAAATCCAAAGAAAGGTCTCCATTTTGGTCCAGTTCATTCCCGAAGACTGGAA
 AGTATAGCAATTACATTAGTTAATAGCAAAAGCTGATGTTGACATGATGGACAAAAGGGTTGCAGCTTATTGCAATAAAGCCATTAT
 AGAGATGATAAATTTGCTGCAACCTTTTAAATAAAAATGGTGTCTTTGTAAATGCCCGACTCTTGGAGAACAAACAGACTCCTCTG
 CATTTGGTAGCTTCTTGCAACAACAAGGACCGTTCTTGGAAAGTGATGTCGGATATAGCACAAATTGCTGAAACACTTTTAAAGCA
 GGAGCAAAACCCTAACATGCAAGACAGCAAAAGGAAGGACTCCTTTTGCAACACTGTCTTTTGGCAAGGAATGAATATGTCTTCAATCAG
 CTGCTTCTGTGCAACAATTAGATCTAGAGCTGAAGGATCATGAGGGAAGTACGGCTCTGTGGCTTGCTGTTCAGTATATCACAGTG
 TCTTCTGACCAATCTGTAAATNCCTTCGATGACGTCCCTGGTNGAATGGCACTTCAATTTGATGAAAACCCAGCTTTGCAGCAAGACT
 TANTAAGCGGGGAGCAACACAGACCCCAACACAGCAACAGNTACTGGTTGGTACT

Q9925490.Seq
 AAGCTCTTGTTCCTTTCAGGATCCCTCGATTTCGAATTTCGACCCACGCGTCCGGGCTGTGTTATGAAAAGCGCGCGGAAGGT
 GAGACACCATGGAGATGAGAGACTTGGAGTAGCCCTTAAATCACACTTGTTCATGTGGTGGTTGTTGCAGTCCAGTTTGCCTGTAAA
 GGTTCCTGCCAGTCCGGGAACTTCTTAGGTTTGTGGCAGAAAAATGAATCATCTTCAGCTTATCACTTTCACAAAAGCCCCGGG
 ACAAATCGGATTATTGGGAGAAATGGAGAGCACAGTAATAAAAAAGATCTCCATGCACCCCAATGAAATTATAACAGGAGAGGAAGCCA
 GGAGCTTTTATGAAAGTCTTGTGGAACTGAAAGACCGCAGCCTCACTCTAAAAATCTTCTAGAAAAACCAAAACCTGCCATATTGT
 CAGTACAGTCTCGTGAACCTGGTACCCAGTCAGAACAAACACCTCCACAGCTCAGGATCCCTAATGAGCAACGTAAAGGTCACCCAGT
 TACTAAGGTGTTCTCAAGAAGGAGACTTGCGTGGGTTAAAAAGACTCGTGGAAAAAGAGAAAGTGTAAATTAACCTTTCATGACTCTT
 ACTACTGGACAGCTCTAATGTGTGCGCGTATGAAGGAAGAAAAGAGTTGTTGGGTATTGTTAGAGAGANGTGCAGCTTGGGTAG
 GAGTATGTGACCTCANGGAAGGGATGCTTTCTCTCATTTGGCAGANGAAGCTG

Q9925491.Seq

AAATCAAGCTTCTTTTGCAGGATCCCTCGATTTCGAATTCGACCCCGGTCCGCAACAACACTGTTGTCCACAATGCAA
CAGATGGGATAAAGGATCAACAGAGAGTTGCAACACCACTGAAGATGAAGATCTAAAAGTGGCAAGCAGGAAATCATCAAGA
TAACAGAACAGTTAATTGAAGCTATCAACAAATGGGATTTTGAAGCCTACACGAAAATCTGCGATCCAGGATTAACTTCTTTGAGC
CAGAGGCCCTTGGCAACCTTGTGAAGGATGGACTTCCATAAATTTAATTTGACAAATTTGTTGTCCAAAACACACCAAGCCTATCC
ACACCAACCATCCTGAATCCACATGTGCATGTAATTGGAGAGGACGCTGCCTGCATTGCTTACATCCGGCTGACACAATACATTGATG
CACAGGACGGCCTCGCACACCGCAGTCAGAAAGAGACAGAGTTTGGTACCGCAGGATGGCAAAATGGCTGAATGTCCACTACCACT
GCTCTGGGGCCCCAACAGCCCCCTNTTCAGTGAGGAACCTACACAGCCTCAACACTGGAAAGAACCTGTTCTTAGCCGAGCGAAGTCTGG
ATCGCCTGAATGACAGCAACAGTCCTGTGAGTTCTGAAAGTTTAAAAAAGAAAAAAGTTAAATTAAAGTNCAAAAAATAAAAAAN
GGCGGGCCGCAAGGCCNTCGAGCCNTANAACTATAGTGAGTCGTATACCTAAAA

Q9925492.Seq

AAATCCAAGCTTCTTTTGCAGGATCCCATCGATTGGAATTCGATCCGACCCACGGTCCGGCAAAGACCAAATAAGAAATTC
 GATTTCCACAGTCTACATAACACTAAGGTCTGGCCGACGGGTGATTCGGGGAGATTGGTTGCCAGCGACGGTCTCTTTGGGG
 TTGAGTCTCCCTGGCTGCTCTCCGCCGGCTGGGTGGGGTCCCTGGGGAGGGCATTCGTGATGCTTTGTTTCTGAAG
 TCGCCCAAAGTTGCCCTCATGAGGAAACTTCGGAGGGCGGTGTGCCTTCCCCTAGGTGATTTTCATTTTGGCCGGGAGTCCAGT
 TCGGGGAGATTGTTGCCCCGAAGAAGAAGAGATTGTGCGTGGGGCAGGTGGTGTCCCTGAGTCTGCTCGTGTGGCCAGACCCATAA
 AGTTTATTAAAGGGAACTACTGCAAGTTTGATACCTAAACTATTGATTTTGTATCATCTTGGTACTTGTCTGTTTACACCTA
 GACTAGCAGGAAGCATGTATTGTGACATTTCAATATTGCAAAATCATAAATCTTGTTAGCATTCAGATTTTGTACCCTATGCAA
 TTGTTTGTATNCCCATCAACACACCTTCATTGCTTACTGAACAAGCGAATGCCAAATATNCATTTTAGTTATACCACTATACATTGA
 CTATTTGGGTAAACAACCTGGAAGCTTTGGCAATTGCCTTTTNTAGCTTGTCCACT

Q9925614.Seq

TCNCGCTCTTGTCTCTTTTGCAGGATCCCTCGATTTCGAATTCGTCCGACCCACCGCTCCGTTCTAAGTGGTGTGACTTGTTTGAAGA
TCAATAAACGTCCTCGTCATGTCTGATGAAGGAAAACCTCTTTATCGGTGGTCTGAATTTTGACACCAATGAGGAAAGCTTGGAGCAAG
TGTTTAGCAAAATATGGGCAGATCTCTGAAGTTGTGTGGTGAAGGATCGGGAACAAAGAGATCAAGAGGATTTGGCTTTGTCAAT
TTGAGAAATCCTGATGATGCCAAGGATGCTATGATGGCAATGAATGGGAAGGCTGTAGATGGCCGTCAAAATCCGCGTTGATCAGGCTG
GCAAGTCTTCTGGTGATAGAAAGGTTGTTACAGAGTGGCTCTTCTGGAGGCAGAGGCTTCTTCCGTGGAGGCAGAGGCCGAGGTG
GTGGAGACAGAGGATATGGAAGCAGCCCTTTTGTATACAGAAAGTGGAGGTTATGGCGGTAGCAGTGGATCCAGGACTATTATAGC
AGTGGCAGGAGTCAAGCAGCTATGGTGATCGTGTGGAGGTTCTTACAGAGATAGCTACGACAGTTATGCTACACACGAGTAAAT
CCATTCCCTGACTCAAGATCGTCTTNCAATGGCTGTATTTATAAAGATTTTGTGGAGCTTCCCCGAAATCCGTTGNGTAAAGTATATCTA
CTTNGTTCACCTTTTCTTTTAAATAAACAGTTAGCCCTGACAG

Q9925615.Seq

TCCCGTCTACTTGTGTTTGGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGGTTGGGCTGCTGATGTGAGAGTG
TACCTGACACATAGTCCCTAGAGTTTCACTGAGAGGTCCTTGAGAGGTATCTGTTTGGGCTGTGCTGGTTCCCTGCAGGTTCA
TTTTGCCGATCGGCTGTTTGGCTTGGCAAACTCCGATTCTTTAGCCTCAATCCCACTCAGACTACGATAACGTTGGAAACGGCC
GTTCTGCATGTTTAAAGATGCCATTGACGTTTATCTCTTTGCCATTGTGAAAAGGTGCCACAAAATCCAAAGTTGCTGATGCTGCCAA
GAAAGTTATTGCCCTCTAACTACACTGGAACCCAGGAGGCTTACTGGGACCATACCAAGTTGCCAAAATTTGACAAATCCAAATGTGA
AAACATACAGGCTCCAAACATTATGGCTGACCCCAACAAAGTACATTGTGAGAGTGGGGGCGACGTGAACCTGCTTAACGGATCCAAA
CTTTAAGGGGATCTGCAACCCCTCCACTTCAAAATAACTTACAATACAGGTTTACATATGTATTTACGATTGGGGATGTCTGTCAGTA
CCAGACTGACTGGTCCCTCCCAATCTCTACAGTCAACGTCAAAATCTTCGGCACAAATAAACACATGGCCCTGGCAGAGGAGTGGTGGG
ATGAATGNCCTGACTTCCATTCTTTAAGCACTCTGATGCTTTCGT

Q9925617.Seq

TTNNATCCAGCTCTTGTGTTTTTTTGCAGGATCCCTCGATTTCGAATTCGACCCCGCGTCCGATATAAGGTATGAAGGAATAGCTGA
 GTGTGTGTTTGAAGAGTTTACCAATCATGCACCTCAATCCCCGTAAATATGCTGATGCTATGAATAATCTTTGCACATGCTGTGG
 AGACACAAAGATTGCCCCAATAATGGCTTGCACTGGCACATGTTTATAAGTGTGCTGTTTACAGGTGCAATGCTCAGGTACCTCTGG
 AACATCACTTCACCACTGCACATTTATATTAGGGGTAATTTATCAAAAGTTCAAAATTTATCTCAATATTTTCTGCTTTCAGGAAA
 AAATCAGATTTTCACAATTTTTCGGATTTTTCACCCGAAACTCTGATTTCTTATGCTTTTGGCCGAAAACCTTTGGGGTATTGCA
 CGAAACCCAGCGCACATCAAAAAATCATTTGGGACTTCTCCCATTAACCTTATATGCAACCTCGACATGCTGAGATGCCAGATTTTCA
 GATTCAGACTTTTNCATNCTGGAAAAATTCATGATTAAAGTCCGATTTTATTTGGGATTTTGGGATTTTTCATTCGGAGTTTAAAT
 AAATAACCCCTAAATTTCTGGTAAAGAGAATTATATACTCACTCAGGTTATTTTGATTTAAAATAAAAAGCATTAACAAGACATGTC
 ATTTTGAAAAATGTCATTTTGAAAAATGAATTGATGTTTAAAGCT

4024249766

Q9925618.Seq

TCCCGCTCTGTTTTTTTTCGCGGATCCCTCGATTTCGAATTCGATCCGCGGTCCGAGCTCTGGCCGATACACCTGGCCGAG
AGGGTGGGGAGGTGACGAGTACATTAAATATAGAAATATATACAAAGGCAGCGGTTGACTGGATCCAGCCGCAATTATCGATATTT
GTCAAAATTTTAAACGGGTTGAATTGCTGTGCTTTTGGATTATGGTGTAGAACAAACATTCACTTCTGTGTGATCATTTTGCAGAA
GTCCCTATTGTTGGTGCCCACTGTTGTGGGTGCCCCAGTGAACACGGAATATGGGATTTGGGCTCCGCCACCTGCCAGCGACAG
ACATCCAGACTGCGGCTTTTACCAACTTCTTCTTAACCCCTTGTGACTGCTTTTGTGAGCTTCTTGTGGATGATTTGTGGTAC
ATGAGGTGCAGAGCCACACTGAAATACTCGAGGGGCTCTTCTGCTTGATTTAAGAGAAAATACGGGCCACATGCACAGCTGTTA
TATCACTGGATGTAACTCAAGACAAGAGGAATAGAAATGAGCAACCATGGCTTGTGGAGCAGCATGAACAGTTTGTGATATGAACCTCC
ATCCCTCTTGTGGCTTTAAATTTATACAAGTCAGACACAGGCTGNGTTTGTATCTCAACCCCTAATGCTGTGGTGGCTGCTGACTGGAC
TCGATTGGGCCGAGAGATGGGCTACGACTACCTGGAAATNN

Q9925619.Seq

TCCATCTCTGTTNTTTTGCAGGATCCCTCGATTTCGAATTCGTGACCCACGCGTCCGCTGCTGTTGTCTAGTGTCTCGCGGCCAAC
 ATGGGAAGGAAAGATTCAACATTAAACATCGTTGTGATCGGGCATGTGGACTCGGGCAAGTCCACCAACCGGCCATCTCATCTAC
 AAATGCGGGGCATCGACAAAAGAACCATCGAGAAGTTTGAGAAAGGAGCCGAGAGATGGTAAGGCTCCTTTAAATATGCTTGG
 GTCCTGGATAAGTTGAAGCAGAGCGGGAACGTGGCATAACCATCGATAATTTCTTGTGGAAAGTTTGAGACTGGAAAGTATTATC
 ACCATTATTGATGCTCCTGGCCACAGAGACTTCATCAAAAACATGATTACTGGCACTTCTCAGGCTGACTGTGTGCTCATTTGT
 GCTGTGGTGTGGAGAAATTTGAGGCTGGTATCTCTAAAAATGGACAGACCCGGGAGCATGCTCTCTTGGCGTTCACCCTAGGTGTC
 AAGCAGCTTATAATTGGAGTTAACAAAATGGACTCCACTGAGCCTCCTTTTAGCCAGAAAAGGTTTGAAGAAAATTACTAAAGAAATC
 AGTGCCTACATTAAAGAAATTGGCTACAAACCCAGCGACCGTTCCATTTGTGCCAATATCTGGATGGCATGGAGACAACATGCTGGAG
 GCTACACCAATATGCCCTGGNTTAAANGCTGGAAGAATTG

Q9925620.Seq

GNNNNNNNTTGNATNCCGTCTACTTGTGTTTGTGNGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGCAAGGACT
 GAGAGATCTTGGCGTACACGGCGAGGCCGTTCTGGGTCTTCCCCTTGGAGAGGTAGATCAAGATCATTTGTCTAGACATGAATCTTCT
 CGTTATCCCCCGCGTGGTAGATCCAGGTCTTCCCAGAAGAAAGATCGAGATCTCCACATAGACGAGATAAACAAAGTTATCGC
 AGGGAAGATCCGGCTCTTCAAGGCGAAGGCGATCTCGGACTCCACAGAGAAAGTCCCGTTCTCTGCAAGAGAGCCAGGTCCCCT
 TCACCTGATAAAACAACACTTCACAGATCTTAAAGTTGTAGCTTTGCCCAAGTAATGGGCATTCACAGCAGCTCTTCAAGAGAAA
 TCTCATGCTAAATGAGACTCTGAGGCTGTGAGAAATCTAGGCTGTCTCAAAAAGTGACCTTTCCCCTGTCCGTACTTTAAGC
 GCAGCCTGTAAAGTCTGAGCTTCCCATCTAAATCCACTACTCCACAGAAA CCTAGTATTGCCGTTTCAACCAAGCTGAAGTCC
 CCATCACCCCAACCTCTTGAAAAACACAACAATAAAGTGGAGGAAAGTCTAGACACTAAGCAGATTGGGTACGTAAAAAGATGTTGC
 TCCCAACAAGAGAGACTCAAGCCTCTCTTGACTAGANGTAANGGTTTACCTGCNCAGCCAGA

Q9925621.Seq

AAATNCAAGTCTACTTGTCTCTTTTTCAGGATCCCATCGAATTCGAATTCGTGACCCACGCGTCCGCGGGATCCATTCAATCTCCCC
 CTCCGCGGTGACTAGCACAGTGTGCAGCCCCCGGATCTTAGTGTCCCTCCGCGTCTCCCTGCTCGTGTGCTGTAGACAT
 GTCGGTGGTGGGATTTGATCTGGGATTCAGAGCTGCTATGTGCGCGTCCGCGCGGCGGTGTTGAAACGGTGGCCAAATGAGTA
 CAGCGACCGCAGCACCCAGCATGTATTTCAATTTGGTTCGAAGAATCGGTCTATTGGGGCAGCAGCTAAAAGCCAAAGTAATATCAAAA
 TGCAAAAGAACACATTACAAGGCTTCAAAGGTTTCATGGCGGGCATACACGGATCCATTTGTGCAAGCGGAGAGCCCTGGTCTTGC
 CTACGAACTTGTGGAGTTGCCAACAGGCTCTGCAGGAATCAAGGTTGTATACTTGAAGAGAGAGAAATGTTTTACCACCTGAACAGGT
 GACTGGAATGCAGCTTACCAAGCTGAAGAAACCGCAGAGAGTGCAATTAAGAGCCCTGTTGTGGACTGCGTTTNGGGTTGTTTNT
 TTTTNTATACNGATGCANAACGACGGTCTGTAAATTTGATGCCACAAATCGCAGGGCTTGAATTTGTTGCCGCTTATTATGAAACA
 ACNGCAGGTGCTTTTGGCCTATGGTATCTATAAACANGACT

Q9925623.F01

Q9925623.Seq

ATGACCCCTTNTACTTTTGGCCNTTNTGCAGGAATCCCCATCCGATTTCNAATTTCGTCCGACCCACGGCGTCCCGTTTATTAA
ATAAAACCCATTTAACATTAAAAATGTTACAGGTAACTTTAAAGGCANCNANGNCNNNTGNNNCNCAGNNTCACCG

Q9925624.Seq

TCNAGCTCTTTTCTTTTNGCAGGATCCCATCGATTGGAATTGTCGACCCACGCGTCCGGCTATGGGAAACTTCTAGTTCACTGGT
GCTCGGGAACACAGGCTACGCTGTAGTACAGCGCACCCAGCTGAGAGTGGCAGAGATTGACAGATGGACCCAAATGCCGATCTC
AATAATTCTGGTTAGTCTTTGCTGTATATGGCAAGTCCAGGCAGAGGCTTTCACATCAACAGGTCAAGATGACCGATCTGATTTATAG
GGAGAGAGATCTTGTTCATCTTTGAAAGAAATACATCCAGAAAGAGAGGACGCTTTCTTAAATAAAACGCTGGGTATCTCAAGT
AGATGAACTGACTAGCAGGTCAACTGCTGATCCAGAAGGATACCTTGGGCACCCGGTAAATGCGTATAAGCTTGTGAAGAGGTTTAA
CACGGACTGGACATCACTAGAGAACCTTGTGCTTCAGGACTCAACAAAAGGATTTATTGCCAACCTCACATTTTCAGAGAGAAATATTT
TCCAACTGAAGAAGATGAAAAGGGGCTGCCAAGGCTCTAATGCGCCTTCAGGACACATATAGACTTGACCCCTGACGTTNTAGCTAA
AGGGAAAATTACCAGGAACAAATTAATTTTCACTCTTTATCTGCGGTTGACCCCTTTGGTTGGGAAAATTTGCCCTCCATGATGNGGATTA
TTACCCCAACCCGCTCTTTGGATGCAGCAGGCC

Q9925625.Seq

ITTTGATGCCCTTGANCTTTGACNNCCCTTTGGAAAACNCCCTANTGCCGNAACNNNACGANTCCNATTTCGCNCCCACGCGTNCNGC
 ITNTCTNNAGGACTGAGGCANTNNGGCTGTGCCGATGACAAATGGGACAGATGNNNCCAANATTGAGGGAAGCGGACAAATCANACN
 ACATGAAATNCCAAGACAGGGTTTTTTGGGTNGGGGCCNCGGANGTGANAGGAAAAGGNCNGACTCCTTTGTGAACAGNCTTTTTG
 AAGANGCANANAACGCTGGCGCTCTTTTGTCTTCTGGAATGAAGAAAACANAGCCNNCCCCCTCATTAATTTGNGGAAAAAATGG
 CT'TNTCAANTCAACGACGGGCATTTTATGGATTACCNNGGGTGT'TNAGAACCTGNAGTTCAATGGACTCCGTTCCGGAAAGGGGN
 AGCTTCCCAGNGTTACCAAAAAACANTTGATAAAANAAGAGATTGGNTGGCTACCTTTGANCAACAGNAAGAAATTTAAGATT
 TTTTATTNNGAAAAAGCCCNATAATTCGACCCCTTTTTCANGTCTTTGGNCAACGACTGGGNAGTGNCGNNCCCAAAGTCTTTTCCNNA
 GACNTGGAAACNATGCATTGAACAANAGTGT'TTCTTCTNTGGANCTGAATTGAAA CT'TGGNGCCCTATCACNCAAAACATTAAANA
 ATTGGGTTNCNTNATNGATANTAAANNNTTNNTCCTCAAAATTCANTNCCNTTGGCCNAAAAAATTAANGNCCNCNTNNANTTTNCNG
 AAAANAN

Q9925626.Seq

TTTGATAGTCNAGTCTCTNTTGCCTTTCNGCAGGATCCCATCGATTTCGAATTCGTCCGACCCACGGCTCCGCTCTGCAGCTGAATCCCTC
TGTTTATTTTCTCTATGTTTTCCTTATGAGTAATCTGTATACGAGAAACAGAAACAGAGGATTTCAGCTGCAGAGGAATAAA
AGACGAGAGGTTGTAAAATGGACAGAAATACCTATAAGGCATCAAAAACATAGAGAAAAATAATTGGGTATGCCGNTAGATGAGGTG
TTTTTTTTCATTGTGAAAAAATGGGAAGACAATATGTAATTTCCCATAAATCCTGACTTTTCACATGCATGCCCCACATTAAAAATGACA
GAAATATTGCTGGATCCACATAATGTAAATTCCTACTAATCCCTTCCATCCCATATCTGAGAAAAGTATCTAATGCTGCATAACTCTT
CTGTTATCTTGTTTTATAAATTNGTTATATCCATTATTTTACTAATGGNGCTAGTCCCTCTGCAAAANCTGCCCTGGTTGTTTTTTT
TTTTAACTTTATACCCCTTAAATTAATATGTTATTTTATACATGGGNCAGGNGTTTGTANTTGCATAATGCGCAATAGATTCTT
NGGGTCAATTTGGGTATTTNTTTTTTTTAACTTAAAGGGCTGGGTNCACCGTTTAAAGGAATTATNNCNGGGAATAATAAAAACTG
GGTAAATCGGCCNAAAGTTTAGTGGTNTANAGGCTTGGAGTGAGNGANTGNCTAA

Q9925627.Seq

TCAAGCTCTTTTCTTTTNGCAGGATCCCATCGATTGGAATTTCGTGACCCACGCGTCCGCCGCTGCTAACGCCCGCCATGATAGGG
 CTGTCGGACGTTGTTCTGCTGGTGCCCTGCGGGCTCTGAAGCCAGCATGTAGCCCACTCCAGCTCGGGCAGAACTCTTCTTAGATGTT
 CCCCTGCAGCACTGCACTCCCGGAGAGACTATGCAGCCAGACATCCCAGCAGCCAAAGCTGGAAACAGCAGTTGGTCGTATTGTTG
 CGGTTATCGGTGCCGTCGTGGACGTCAGTTTGTATGAAGATCTCCACCCGATCCTGAAATGCCATGGATGGACACAGAAAGTTTGGTGAGAGGGC
 GGCTGGTCTGGAAGTTGCACAGCAATTTGGGTGAGAACACTGTCCGAACAATTGCCATGGATGGACACAGAAAGTTTGGTGAAACCCCA
 AGAAAGTGTGATGCTGGTACACCAATCAAAATTTCTGTGGTCTGAGACCCCTTGGAAAGAAATCATGAATGTCATTTGGTGAAACCCCA
 TTGATGAAGAGGCCCTATTTCTACAAACAAAGTTTGAGCCATCCATGCAGAACCCCAAGTTTGTGGAGATGAGTGTGAGGCAN
 GAAAATCTTTGGTTACTGGCATTAAGTTGTAGATCTGCTTGACCCCTATGCCAAAGGAAAGGAAAAATTTGGTCTTTGTTTNGTGGT
 GCAGGAATAGGTNAACCTGTGCTTATTATTGGACTGATCAACAA

Q9925628.Seq

GNNNNNNNNNTTGGANATCNATCTACTTTTCTTTNCGCAGGATCCCATCGATTTCGAATTTCGTCGACCCACGCGTCCGGTGGAA
 GTGATCCGCGCTGGAA CGTTGGTTCTTTGTAGAACTATTGGATTGGGATCTAAGATGATGAACCCCTGGCATCCCATTTCCCAACC
 TTCCAGCCCTAAACAGACCCAGTACAACAACAACAACAGCAGCAGCTGAAGTCTTCTTCAAAATCAAAAAGAACGCCA
 TAACTGATGACTACAAAGTTACTAATCAGGTCTTTGGACTGGGATCAATGGAAAGGTACTAGAGATCTTCAGTAAGAAGACTGGAG
 AGAAGTTTCGCTTTGAAGATGTTACAGGACTGCCCCAAAGGCGGTAGGGAGGTGGATCTGCACTGGAGGGCCTCCAGTGTGCTCATA
 TTGTGAAGATTATTGATGTGTATGAAAACCTTTACAGTCCAGAAAGTGTCTCCTCATTTATTATGGAAATGCTGTGGATGGTGGAGAGC
 TC'TTTAGCAGAAATTCAGGACAGAGGGGCCAAGCCTTCACCCGAGAGGGAGGCATCAGAGATCATGAGAAGCATTCGAGAAGCAATC
 CAATCTTACACTCTATTAAATTGCAACACAGAGATGTAAAAGCCAGAAAAATCTTCTATNTACATCGNAACNGGCCAACTATGTGTIN
 AAAGTGACTGATTTGGATTTTGCTTAGGGAANCCACACACAANTTACTTGCCACCNCCTG

Q9925629.Seq

TCNAGCTCTTGTCTTTTGCAGGATCCCTCGATTGAAATTCGTGACCCACGCGTCCGGGAGAGGAAAGGCAGCGCTTGCTTTGA
CGGGTGGGGAGAAAACGCACAGGGAAGCCAAATAACAGCGGTTACAAAACAGCGCACGGTACGCCACCCGGAATCGGTCCAGCA
TGAACGATGCAGAGTGCCTGTCCCACTTTCAGGTGTGCGCCCGCAAGACGGAGGAGTTTGTAGAACTCTGGATAGCAAGCACA
TGGTTTGGCTTCTGGAGATTGAAGAGGAGGCAAGAAAGATGTTTCAGCAGTGATTTTAAATGCTGAACCTGAGCTGATGCCAAAGACTC
CATCTCAAAGAGGCGCGGAAGAAAGAAACCTCCATTCTTCAGATGAGAAATCGTGATCCAGTGGCGCAGGATATCCCCGTAGAC
AAAGCAATGCTAGTTGGAGCAGTTCTGTACGCGAGGCTTTCGGTCAGAAATCAGAACAAAGCAATGATGATTCTATCCAGGAAGAAC
CGGCACAGCTGAAAAGGATGACCGAGGCAAGGCCCCAAGCTAGTATTAAAAGTACGCTGTATTGAAAACGGCTTTCCTGAGTCAC
CCTCCAGATCTGTCAAAAAAATGCCCCAGGTTAAGATCAGTGAGCAAGAACGCAGAAAGTGACAGAGCAAGGCTCATAGAGTCCGACTT
TGAGCTTGAAGACTGTCCCAGAAATTACAAANGNN

Q9925631.Seq

AAATCNAGCTACTTTTCTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCCGGACGCGTGGGGCCATAGAAG
 CTGCAGATGTCGTTTGGATAAGGAATGATCTGCTAGATGTGGTGGCCAGCATTGATTTGTCTCGCCACACTGTGAAAAGAATCCGAA
 TAAATTTTGTCTTTGCTCTAATCTACAACCTTGTGGAAATCCCAATAGCTGCAGGTGTTCATGCCAGTTGGTTGATTTTGCAGC
 CATGGATGGGATCAGCCGCAATGGCCGCGTCATCCGTTTCTGTGTGCTTTTCTTTTGTGCTTAAACTTTACCGTAAACCCAGCC
 GTGAGAAAGCTTGAGCAGAGGGCCCTGGGCCAGATGAGGCAGAAAGTCTCTTCCGACATCAAGTGTTCATATTGGGCTCATGGAAAAC
 CGGAGAGAAATCCCCCAAGCTGGACATTTCTGGATCGCATTTGTCAACTACAGCCGATCGTCTCTGAATTCCTTTTATCAGACAAACAT
 TCCCAGCAGCGCATCCCCCTAAATGAGCCGGACAAACATTCACGTCTCTGGGGAACTGAANGGCGAGGAGACACATTCCTATGA
 ACAACGGGTTGAAGCAACGCTCTNTTACGTNCTGTGGACCTCTATCAGGNGTTGCCNAAACAAGCAGCTACCAANCCAAACGAATT
 TCTGATAATGAGATTCTCTGCGATGGATGGAGATATT

Q9925633.Seq

GNNNNNNNNNNTTTGAAATCCCGTCTACTTTTCTTTTNGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGGAAC
 GAGGTGTACACACATTGGGATAAAGACACCCAGGAGAAATCAATTTACCCCTCCCTTTTCCCTTTTCAACCAAAATCTTACTACCCCTC
 CTCCTCTTCCAGACAAAGACCCCTCCCACTTACAAACGACACTGTCCCTCAATTCCTTTAGCGCCGATCTTCCGTCACTCAT
 TTCATATATATCTAATTCCTATTTTGGGATTTCTTCCACCTTTAAATTTTGTATCAATTTTGGAAATTAATGCCCCCTTCTTACCA
 GCTGAGGGAGTATTTTAAACGATTATTTTACAAATCCGGTTTCTGATTGATCCCGTGACGGCCCGGGAGGGAGCAGGGGAG
 CGCGGGGTGGGCAAGTGCACTCGGACGCCAGGACACTGAGGAAAGGGACAAGAGGCTAGAGAGACGCAACCGAAATCAACAGG
 AGCCAACTACGTTCCCTAAGCATGGTGAATCAGACCAATGGAGACCCAGGCCAATAATGGGCCAGGATGTGTAGGTAT
 CCTCAATGGCACCAACGGGGAAGCCGATGACAGCAAAACCAACCTGATCGTTAACTA CCTCCTCAGAACATGACCCAGGANGGATTTA
 AGAGCCTGGTTGGCAGCATANGAGANAAATGAGTNCCTGCAAGCTGGTCANGGGACNAA

4440.2460766

Q9925634.Seq

GNNNNNNNNNTTTGAAATCCCGTCTACTTTTCTTTTNGCAGATCCCATCGATTGAAATTCGTCCGACCCACGCCGTCCGAGGCA
TTCGTCTGCAAGCAAGCAGAGACACAACAAGCTGTGGCGTCCCTACTCGGACAGTGATCTCTGTGACCCACCGAATCTGCCGGGA
AACCCGGTTTGGAAATGAGTAAGAAGGACATAAACGTCTTCAGCAGAGCAGCTTCAGACGCACATCATTCCTTTTTCATCAGGTCCGC
ACACTGAGAACTGCAACCCACACTGCCCATGGATAGCACCTTGTGCAATAAACTCAAGCACATTTTGAGTTTACATCTTGGGATT
TTCACACTGAACAGATAGAGGACATTTTGAATCTAAACACCATGAATGGGTGTCCTCGCGCTGCTTCAGATGAGACAATACTGG
ACAAATTGTAGAAATAGTCGATAAGGATTAACTCAGAAATCCAGAAATCCTTTGTGCTCAAGTCAAGTCCAGACCTGACACTAGAGG
ACATGGAGAAAGATGAACCTAAAGCCTGAAGTCAACTGCCACCATTTTGCAATTAGAAGGACTCAATTCAGACTTCAGAGATTACAG
AGTCCCTGCCAATTGTCCATGACCTCCAATCAGAGGAACATAACAGGGATAGGATTGATTTTCTTANTGCCCTAAAAAAGTTGGGG
AATTATNTNAGGAGAATTCGCCACGGNCTGTTCNCNCCCCCGCACAAATGAACAAA

Q9925635.Seq

TGAATCCATCTCTTTTCTTTTNGCAGGATCCCATCGATTGAAATTCGTCGACCCACGCGTCCGTTCATCGGCGAGCGAGTAGCTTC
CGCGGGACACAGTAAGGGAAGGCAAAAGTGCTAGGCAAACTTTTATAAAATATGTCTCTGGCGGATGAAATTTGGCTGACCTTG
AGGAGGCAGCAGAAGAAGAGGAGAGAACTTAAATCGACGAAGATGATTTGGAGACCATTGAAGAGGTAGAGGAGGATGCAAGTGG
ACCTAAATGCGGAATCGGTAAAGCAATAGCCAAAGCTATCGCAAGTATTTTTCAGAAATTTCTTTGAAGATTGATGGATACA
TCAAAAAACAACCAAGGCTTCTGAAAGTAATGGGCCCCGTGAAGCTGCTCCAGAGTACAAAATTATAGTTGATGCTAACCAATCTGA
CTGTGGAGATTGAAAAATGAACTAAAATATCAATTCACAAATTTATTCGGGACAAATATTCCAAGAGGTTTCCTGAGCTGGAGTCTTAG
TTCCAAATGCTTTGGATTATATAAGGACAGTTAAGGAGCTAGGGAACAACCTGGATAAATGCCAAAATAATGAGAAATCTTCAGCAAA
TTCTGACCAATGCACATAATATNGTTGNGAAGTGTGACAAACCTNCACACTCANGGGCNGCAATTTACAGATGAAGAAGCTGGACCGAA
TTTGAAAAAACNTTGTGATTTTGGCCCTAGAACTTAAACCAATNCA

Q9925636.Seq

TGAATCNA TCCTCTTTTCTTTNCGCAGGATCCCATCGATTGGAATTTCGTGACCCACGCGTCCGGACAACCTATGACCAGCTGGTCCG
 CATCGCCAAAGTTTTGGGTACAGACGAGCTGTATAGCTATTTGAAGAAATACCAATAGAGCTAGACCCCTCATTTCAACGACATTCT
 CGGACAACATTCAAGGAAACGCTGGGAGAAATTTCTTACACAGTGAGAACAGGCACCTGGTGAGTGCAAGGCTCTTGATCTATTGGA
 TAAATTACTGCGCTATGACCATCAGCAGAGACTGACTGCACGTGAGGCCATGGAAACACCCATACCTTTATCCCTGTTGTAAGGAGCT
 ACAGGCTCAGACGGACAGCACTCTGCTTCCTGGCAGTCTGTACGCAACTCGATGAGGACTGGGGA CTGGGAAATCGCTGCTGTTT
 TCACCATGTTTCCGTGAGCAGAACCCAGACAACCGCACTGGAGCAAAATTCGTACTGGCTGTAATGAACAAGGCGAGCACAGGGGCAG
 TTGTAATCTGCTGGTCCCAAGAGCATCGTAACCCAAAACCCCTCCTACTTTACTAACCCAGACACCTTGATGGACAGGTTTCTCTGC
 TGACNGNCTTTCATTTGCAGAGACTCATNCACTATTTGAACCTGTGTCTCANATGTTTCGACTGANGGGCCCAATGCCAGGCCCTTTNNCC
 ANCNTTCCTTACCTTTAAAGCAGGAAACTGCTTACATTT

Q9925637.Seq

ATATCNANCTCTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTACCCACCGGTCCGAAGTTGCAGAAAAAAGAATTGTTTC
 CTTGAAATTCGATCAAAATCGAGGCATGCAATCTCAACCAAGGCTCTGCTAATCAAGAAAAATATAATGGCGCTACTAAGAGTTGT
 TTACCCCTCCGCTGAAAACCAAGCTCGAAGGCCACTTGGAGCGATTTCGCAGAACTATGTGCAATACAGTAAGCAATAGCCCCAGCT
 ACCAGTTTTTAAGTGTAGGGCTAAGAAATGTCCCATCGGCAACAAATTCACAGGTGAGGAAGATGAGGGTTCAATGGATATATGTGCA
 ATTAATCAAGCCCTGGAAATACAAAGGAGAAGATAGCCTTCTTTCAGCTCATCACTGCACTAACTAAAGAGCAGCTCCATGAAAAATC
 AAAAGTAGTGGGATATGAATGGTAGGGCTGCCAAAAGGAGAAAAAAGTCTGTGGATCTGAAGCGTATAAAGAGCCCACTGGAAAAG
 ATGCAAGAGGCACATAAAAAATGCTTCTTGCCCTGAACCACTTCACAATGGAGTTGATAAATGCTGCTCTGTTAATTTTGTACAGGTGGT
 GAAGGAATTCCTTCCAAGCAGACCACTTCTGTAAATAGAGATGGTAGCCTTTTATAGCAAGAGCAAAATACCTTACTTTCTGCTAAA
 CCTTTCACCAATTACAAATCCTTCAAGATTACCGGCN

Q9925638.Seq

ANNCCCTNNNNNNNTTGANATNNAGCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTCCGACCCACGCGTCCGAAAC
 GAATGAACGTAAGCATGTATTTCCCATTTGTGCTCAGCCACAACATAAGACAAATCAATTTTGATACAAATAGGTTTATTGTTTACTTTG
 TGGCACGGTTTTCAGCCCCAGGAACCTGGCACAAACTGATTTTAAAGCACAACTTCAATGTGAAACCTTTTAAAGGGATGGTAGTAAGTG
 CTGTAGTTGCAATCCCATGTTTCAGTTTCTTGAACATTCACCTTTGAAAAACATTAATTAAGATATAAGCAGAAATTCCTTTTCTCTAA
 ATAAGAAAAATTCTAAGTTTATCTGCAACCCCTTTTCAACACAGAGAAGTATCCAAGTGAAAGTTGTGGTTTCTGAATTATGTAATTAT
 GAAAGTGGGCAAGCCTCTGTCTTCTTTATGCTCTCCTTGGCAATGGATATCTCTTTTTCACACCCAGAAAAATAACCGAGCCAATTC
 TTATACACAAGATTTGACTGTGTCAGCAGTGGGTATTTATGATCCCGTGATAAACTCTCATGCAAAATATAAAATCGGAAGTGAATA
 GTACACAACCATTTTGTGTCATTATATCATACTGNATATAAGATTAAAGTATATGTTTTTTTATTGNAACCTCTGCACCCCTCGTAAT
 AACATGAGATCATTGACAAGTAGCAACAGCAATTTTCAGCTGCCCATTAATGA

Q9925639.Seq

GNNNNNNNTTTGAANNCCCTTNNNNNNNTTTGGAATCCNCTACTTGTCTTTTTCAGGATCCCATCGATTGGAATTTCGTC
 GACCCACGGTCCGCAATTCTTGTCCGCTATAGGTGCCGGAAGGAGTAGGGAAGCGCTATTGGCATTTGGCTCATTTCAATAGTCTCT
 GCAGTGAATAAGGTGGAAGCTCGGCCGGAGACACCAAGGCCCGTTTATTTGGCGGGAAGCCAGATCAAAGACGGCGAAGCTGACCG
 ACTTCATAGCTTTCCCGAGGCCCACTTCAGGAACCCATCGACCCCTGTGGTTACATCTGAATTTGCTTTTATACCACTGCTATAA
 ATCAGGGGAGTAATTGTCTACTATGTCTAATCCCTTAAACAAGTCTTCAACAAGGACCGAACCTTCCGCCCCCAAGCGAAAGTTTGA
 ACCGGGTACTCAACGTTTGTAGCTGCATAAGAAGGCTCAGGCATCCCTAAATGCTGGACTTTGAAGTTGGCTGTTGAGCTCCC
 GCATGGTGAGGACCTAAATGACTGGGTAGCCGTGCATGTTGTGGATTTCTTTAACCGCATCAACTTAATATATGTTACCATCAGTGA
 CAGCTGCACTGAGCAATCTTGCCCTGTTATGTCTGGTGGTCCCAATAACGAATACCGTTGGCAGGATGATAACCGTTATCGAAAGCC
 CACTGCTCTTCTGCTCCAAAGTACATGAATTTACTTATGGACTGGATAGAAATTCAAATAAACAACGAAG

Q9925640.seq

Page 1

Q9925642.Seq

GGNNNNNTTGAACCCCTNGCANGTNGATGCCCTTTTCNNGTCNTTTTGCAGGATCCCTCGATTTCGAATTTCGTGACCCACGCGTC
CGATTACTTCTGAATTGGCCCAAGTCAATTAATGATGGACTTTATTATTATGAGCAAGACTTATGATTGACTATGAGGAACAGAACT
ATGTGCCCTTCAAAGCAAGAGCTAGAACACTTTAGGAAACTGAATCTTATTAGCAAGAGAGTTTGACAACTTGACCCAGAAATCC
AGAAATGAGCAACAGCTTGGACAAATCCCCGCTCAACATACCTACTTTTCAACAAGTTTGCAATGTGAATGTTTCACTGTGACTCTGTGACTA
CACAATCCCACCCACAGATGTAATACAATCACCAACAGCCTTTGTTGTGTAAAGAACACCAAAATCTCCTCGTACTCCACGCTTGAAAG
ATTGAGATAAGGCTCCAAGATTTATCCTGTAGTAAAGAAAGCAAGGTCTATTGATGTAAAGAGTCCCAAGAAAGAGGAAACTCGAC
ACAGTACTAATCCACCTCTAGAGTACCATGTTGGATGGGTAATGGATTCTAAGGAACACACAGGCCACGGACTTCTCTGTGACGAGTTC
AAATGCTTCTCCATCAGAAAGGTGCTCCACTTACAGGAAGCTATGGCTGCACACCCCNCTCTTTGCCAAAGTTTCAACATTCCTTCACA
TGAACTTTTGAAAGAAAAATGGTTTACACCAAGCAAGCTTACCATAAAATATCGACGTAGG

Q9925643 . Seq

GATANCCNNNTCTTGTTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGGTCCCGGGTTGGCTGCGACGCTCGCTC
CCGTCAAAACCAACAGTGTACCAACAACAACGGCTTCTGTTGTAAATGTTAGAAGCAGTAGTCCCCCTACAGCACCCGCTCGGGA
TCTTGCCAGGTTAGGAGTCTCGCCATGTTGTATCAATGAATCATGTGCAAGAACTGTGTTCCCTGGAATTCAGGAATATCT
GTTAAGGCTGCCAGCAAACTTTCTACCTCTGCAGAGGATTACACGGGAGACAAACGCTCATAGTACGGAGTCGGTTTGAGGA
GCTGGACGAGAGCTATGTGAAAAGTTTACCGACTTCTTAAGCTTTTGTACGCTCCACCTAAGGAGGATAGAAATCGAAATGCCCA
GTTCCCTTTGCTTGAATTTCTGACACTGCTTTTAAAGTATACTTTTATCAGCCACACAGGAGGGATACCTGTCTTGTCTAGATAT
CTGGGCACAGTTTCTGGACTATCTAACAAACAATAAGGAACCGGCTTGAAGACAGAGATGCCATTATCTGGCAGGTACGAGGATGC
ACTTGTTTTCCTTCTGAACGAGGTGCTGAACAGAAATCAGTTCCTGTTCAACCAACACAGCTAGAGGAGCTGGATGATGAGACTCTGG
ATGATGATCAGCAGCGGAGTGGCAGAAGAN

Q9925644.Seq

GNNNNNNNTTTTGANNCCCTTTGNNNNTTTGATATCCATCTCTTGTCTTTTTCAGGATCCCTCGAATTCGAATTCGTGACCCA
 CGCGTCCGAAAAGCTCAAACTCCACAAGCAAAAAGCAGACTGCAAGAAAAGTCATTCTGGAGAGGAACCCCTAAGTAAATTTAGATAGT
 TCTGCAGATCTTAAATGCAGTCATTAAATCAGAACCCTCAACTGGATGACGACATAGCAAAATATACTGCAAAAGGTTCTACATTTCTTT
 TGCCAAAAATGCAGCAATGGTATTCGATACAGTCCCAATGATCTTCAAAAAACACTTTCTCATAAATGCATAATGGGGAATCACCCCTG
 TATCCATGTGAAATGTGTGACTTTTCTGCTAATGATTTTCAGACATTCAAAACAACATCGAAGAGACACATCGAAGTGCCTTTAGTTAAA
 TGTGAGCTCTGCAATAACGACTATTGTATACCTTTGCTAGCTTTGACAAAAGCACTTTACAGTTATGCATTGTAATAATGGCCACTTT
 AACTGCTCAAAATGTAAGTTTTCTACCAAGAGACGTTGGTACATTTGTTCAGACATTCACAGACATAATGGAATTGAGTATGCTTGT
 CAGAAATGTAATCACATTAGCTTCTCAAAAACAGAAATTTCAAAAACAATCTTCAGGGCCACAGTGCATATTNNCAATTTAGTTGCAGT
 ACTGCAACTACAGTGCAATGAGGAAAGATTTTATTGTAAAGCATGTTTTTAACCAAGGCACAGA

[illegible]

Q9925645.seq

Q5925045.504

ANANCCCTTTTCNNNGTTTGTGATATNCCGTCTACTTGTTCCTTTTGCAGGATCCCATCGATTCGAATTCGTCGACCCACGCGTCCGG
GGCGGGCGCGACGGGAAGGTAGTAGCTGCTGTAAGTCTGTTCAGCTGGTGCCAGAGAGTGAGTGGCAGGCAGTGCTTTANACGA
AGCGAAGGGAACGTCTGCGTTTGGTTTCATCGTTCGCGACATGAGCCAAATGATGGACCTGCGCCACTGAAGACTAGGTGCCTTTAT
CTGACATTAATTGAACAAAATCAAGTAGTGCCATGACAGGTGAAAGAAATCTGCATGTTTGAATTTGCAAGCTACCGACAGTCTG
GAACCTATATCTCATCTCTTCCAGTGTTACACTGTAAAGGGGACAAAAGATAAGCAGAAATCAGCTATGGAATCTCTTCATGTTCC
AGTTGGAAAATTAATAGACCTTGATTCAGAAACCTTGGTTGTGGTACCAAGCTGTCCCTCCAGTTGGACTCAGACGATCTCCTAGA
GTTGCATGAAAAACACTGCAGAAAAGAGGGGACAGAGATGATGAAGAGGAGAGTGATGGCACAGAAATCTGCAGACAGTGAGAAATGACAT
GGTGGGATCTCCTAGCCGTCAATTGTTGGAAACCACTCACAGAGATCCTCCTCTGAAATCTTTCTCATCAAAATCAAAGTACAGAGTCTGC
CCGTGATGAGCTGATGTCGAACAGCGAGAAATTTGTGAGGAAATACGTTGAAAAAA

Q9925647.Seq

TTGAAACCCCTNTNNNGTTTGATATCCCGTCTCTTGTTCTTTTTCAGGATCCCTCGATTCCGAATTCGTGACCCACGCGTCCGG
 ATAAAATAAGACTGCAGAGGCTAGAAGAAGAACTTAACCGAGCCCAAGCAGCATTAGATTCTGAAATTCGAAATAAGCAGCGTCTGG
 AGGAAGAAAAGAACCAATCCGAAATGATTTTAACCCAGTGGAGAGTCAGTTTACTCGGAAAGAAGATGATGTTAAGAGAAATAGAAA
 TCGATCTTGAGAGATGTGGAATAGACAAAAGTTGGACTAAAAGTGAAATAGAGAGGCTACAGGCAGAGATAAGGTCCATTGAAGAAAA
 GGTAACAGCGGTAAATTAGATGATGCCAACAGGACATGCCAATCAGAAATGAAATCACAAACGACTAGCGCTAGAAAAGTGAATTAGAAAA
 ATCTTAAGAGACGTCCTCACTTGGGTCACTTAAGCAAACTCAGACAGATGAAGATATGTCAATTGATCCTTCTAAATTTTATTGATG
 GGCTACGGAAAAAGGTTACAGCACATCAGTTGCTTGAGTGTCAAAATAATAACTAAAGCGACATTTGAAAAAATAATAAAGGGGCAAA
 AATCCCTTGAAGAGGTTGCTGCAGAGGTAGAGCCCTATCTGAAAAGGTGCTGGGCAATAGCTGGAGTATCTGTTCAACCAAGAAAA
 ATATTCTTAGTGAAGCCCAAGCCGAAAAAACTAATTTCCCAAGAAAGCACAGTGATG

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2
--	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	---

Q9925649 . Seq

GANNCCCCTTTNNNNNTTTGANANCCNTNTCTNGTTCCTTTTGCAGAGTCCCATCGATTCTGATTCGTCGACCCACGCGTCCGGTCT
 TGGTTTCTCAGCTGAAGTTAAATCCATAGAAATGCACCCAGCCGCTTCAGATGGCTTCCCAGGGTTCAACATCGGATTCGAATGTC
 CAAGAACATTGCTGTGAAAAAGTCTAAAGCTGGCAATGTGGCGGCAATTCAAAGAGTGACCCACCGACTGAGGCCCTCCAGCTTCAC
 TGCCCAGGTGATCATCTCTGAACCAACCCGGGCTTTATCAAAGCCGGATATTCAACCGTTATCGACTGTCACTGCACATCAACATG
 CCAGTTGCAGAACTGCAGGAAAAAGATTGACAGCGGACTGGCAAAAAGCTAGAGGCAACCCCGGGCTACTGAAAATCTGGAGATGC
 CGCCATCAATAACCTGAAGCCCATCAAGCCCTTCTGTGTGGAGAGGTTCTTTGATTATCCACCTCTAGGGAGGTTTGCAGCCCCGAGA
 CTTAAACAGACTGTTGCCGTCGGGTTGTGAAGTCGGTGCAGCAAAAAGCTGGAGCTGCTGCCAGGAGCAAGTCCAAAAACCAAGT
 GTTGGTGAAGTGACTTATGCAGAAATTGGAGACGTAAGAAGAAAGTCTTAGGCCGAGCAGGCCACTAAATTTATTTTGTGTTGGGTG
 NGCAGTTTTTATCATGCACAGTGAAAAAGGAAACTGTTGTATGTAAAAAGTAAAAA

402263" 2450T660

Q9925650.Seq

ANANCCCTTNTCTTGTCTCTTTTGCAGGATCCCATCGATTGGAATTCGTGACCCACGCGTCCGNTCAGCNTGGGTACCCCTGGGATTCTTACCGNTTGGATCCAGNATAGGNNANCATNACNCTCAATNNACCCAACTGTTGGTTTNNCCAGNNANTGNAACTGGTATACNCGTTGGGCNTTTNNNTNACCTTCCNCCACANNNTANNTTGCCGNAGAGATTATAGNGCCGGNCGNACTTTACANACACGATCTGTCTGGTGCCNCTGTNNGGATCTGNCCGCNAGAGCNGGTNNNNNTNGNNTTACANGTNNCTTGNNAANNCTTATCCCTCNCNCGGCCTTGCACTCTCTTGGTGGGANCNGNTAGCACCAACNGCCNTGNCCTTANCNTTCNTTCCCTTGNGGGANANCCCTAACCTATTACACCGAAA GCTTGANCCGCTNGTNTATCNCAANGACA TTTTATCAGNCNNGNGGGCTNTNTAGGATTTCTGNNGGGACNTANTNCNGATGTG GGAAC TAA TCCCGCCTGNTGTNTACCAACCTGGAGCGAANC TGNNTNTATGNAGCTCANTGAGNACCTNGCANGAGAANNATCCTTAANGAGN TTCANAA CCCCANGTNTGTGATACTAAAATTTTACCTTACAGGAAAGNGTTCGGTCAAGAA TTTCTCATTTGAGTCTTNGA GNAAGCTGNATCGCNTGTATCTTAACTTT

Table 4. E460T660

Q9925652.Seq

TTNNNNNTTTGANNCCCTTNTCTTGTCTTTTTCAGGATCCCTCGATTTCGAATTCGTTCGACCCACGCGTCCGGGAAAAACCTATC
TTAAAGGAATGAGATATGCAGTATTTGGACTGGGAACTCTGTATACAGCACGCAATTATAACACGGTGGGAAAGAAATATTGATAAAAT
GGCTGTGGATGCTGAGTGCCAAACCGTGTATGACTCGAGCTGAAGGAGATTGCAATGTAGTAAATAAGCATGGCAGCATTGAAAT
CAGACTTCGAAGCATGGAAAAGAAAAGTTCCTGAACAGGTTTGAAGCACTACTCAGTGGGGAGAGAAGCCCTGCAGTGGCAAGTGCA
AGAAAGGCAATGCAAGTCTAAAAAGAAAATCCAGCATANAGTCTGTGGAGGAAGAGGAAGAGGAAAGCACTCAGAAACATG
AGGACACTGAGGATGACACTTTTGAGACAAAGCAGTGATTCTGAGCCCTGAAGAACATGGTGAAACCAAGAACGGCCCTCATTGATGTTG
AAGATCTTGGAAAGGCAATGAGCAATATGAAGAAATCCAAGAGAGAGCATGACTCTAATAACAGAGCTGGGGAATCTTTACAAGGTG
ATGAACCCAGGAGAGGAAGAACCCAGAGAAATGATTACTTCTGCTCTCCAGGANGCTNTTACTAAACAAAGGTTCCAGACTGATTG
GAAGTCCTCTGTGGTNAAGTNGCANGNGGCNAAAAGTCTTT

Q9925653.Seq

ANANCCCTTNNNNTTGANAATNCAAGCTCTTGTCTTTTGCAGGATCCCATCGATTTCGAATTCGTCGACCCACGCGTCCGTGTACT
GTGTGTCGTAACCTGTGTAACACTGGCTGCTTGTGTCTGCGGCTGTTCCCTATGAAACAGGAAGGAATTATACA
AACTAAACCTTCTTATGGGATGGCGTCTGTGATCTGAGAGAAGATTGAGCTGCTCCATCTGCCCTGAGCATTTATACTGAGCCTGT
AATGTTGCCATGTGGGCACAACTTCTGCCAGGGCTGCATTGTGAAGGTGCTGGAGACCCAGGAGGATCTGGGGTTACACCTGCCCC
TGAATGCAGAGAGGAGTATGAGGAGCGCCCCCGCTGCACAGGAACCGGACTCTGGGGAACATAGCAGAGAAATGTAGTCTTGCTCA
GCCGCAACCGGGGAAGACTGAGATCCCTCTGCACTTACTGTGACTCTCCTGTACCTGTGTTAAATCCTGTCTACAGTGTGAGACCTC
CCTGTGTAATGGGCACTTACAGAAAGCACAACAAGTCTGTCCAAACACACTTAACTGAGCCCACTGTTCCTTCAATGGACCAAAAATG
CTCCATCCACAGTGAAATCTTCAGGTATCACTGTGTGAGGACTCTGTCTGNATCTGTGTGTCTCCTGTCTGGCCCGGAGAGCACAA
GGCCACANGGTGGAGCTGTGCTGAGTGANGCCTCTGAAAANA

Q9925654.Seq

TTGAAATCCCGTCTACTTGTCTTTTTCAGGATCCCATCGAATTCGAATTCGACCCACGCGTCCGAAAGGTTTCATCCGGC
 TCAGCCTTTAATCTCGTGCAGCTTCCTCCACAGCTCCAGCCTTTTCAGACACATAGACAAAGTGGTGGCCAAAGAGCAGCCGGTC
 GGTCAAGTCCCGGAGCATGGCAAGTTCGAATCCCTGCTGGAGTCCGCTGTCGAGTGTAGAGGAGTTGCTGCAGCTCGCAGCGGACC
 GGGAGATCAGTAGCAATCAGGGGGGATGATCGTTACCCAGGTTTCCAAATATTGATTGAGTCCAAAGCCAGCCGACAGCAC
 CGTGCAAGATCAGCGCTTCCAAACAGCTGCTTACAGACTCAACAGCTCTCCACGATCTGGAATGGGAACCTGGTGTCCCTG
 CTGAAGAGACTGTACATGTTGGGGATAAAGGAAGATAACCGGCAGTTGCAGGCATTTGGAGAAATGAGGTGCGGTGGCGAAATGCGAA
 GACTCAGCTTTAAGTCTCTAGTGCACCTGTCTGACATGTACATGACATTTGACCCGACCCCGGAGCAGAACAACTTGTAGTGA
 CCTGGTGAAGAACTTGGAGCTGCGCTGGACAGAGATTGAGGATGCCAAAGTGTGGTCACTTAATTGACCAGGTGGGCTTCAT
 NTTCCAAAGTCGTTGATGGAAAAAGCTGGAGGACAAGGCTTTAGAAATAC

Q9925655.Seq

TTGACATCCNTTCTACTTGTCTTTTTGCAGGATCCCATCGATTCCGAATTCGTGACCCACGCGTCCGTCGAGGTAACTGATTGA
ATCTCGCGCAGGACCCGCTCGTCAGCAAAACATGCAGATATTTGTGAAAACTCTCACTGGGAAGACCATCACACTTGAAGTTGAGC
CAAGTGACACAAATTGAGAATGTGAAAGCTAAATCCAAGATAAAGAGGCATTCCCCCTGACCAACAAAGGTGATCTTTGCTGG
CAACAGCTGGAGATGGACGAACCCGTGTGAGATTACACATTCAAAGGAATCCACTGTGCACCTGGTCTCCGTTTGAGAGGG
GGGATGCAGATATTTGTGAAGACCCGTGACAGGGAAGACAATTACTTTGAGGTGGAGCCCAAGTGACACTATTGAGAAATGTAAAGG
CAAAAATCCAAGACAAAGAAGGTATTTCCCTGACCAAGCAGAGATTGATTTTGTGCTGTAAGCAGCTGGAAGATGGCAGAACCCT
GTCAGACTACAACATTTCAGAAAAGAGTCCACCTTGCACTTAGTTCTTCGTCTCAGAGGTGGGATGCAAAATATTGTGAAGACCCCTG
ACAGGGAAGACAAATTACTCTTGAAGTTGAGCCCAAGTGACACTATTGAGAAATGTAAAGGCCCAAAATCCAAGACAAGGAAGGCATT
CCCCCTGATCAACANAAGATTGATATTTGTCTGGCAAAACAAAATTGGAAGAAGG

Q9925657.Seq

GANNCCCTTTNNNNNGNCTNTNGCGGATCCCTCGATTTCGAATTTCGATTCGGCTTTCGACAGGACTGAGGCAACC
GGGCTGTGCGATGACAAATGGGAGAGATGATCCCAAGATGAGGGAAGCGGACAAATCAGACAAACATGAAATCCCAAGACAGGTT
TTTGGGTCGGGGCGGGAGGTGAGAGGAAAAGGTGCGACTCCTTTGTGAACAGTCTTTTGAAGAGGCAGAGAACGCTGGCG
CTCTTATTGCTTCTCTGAAGATGAAGAAAACAAAGCCGACGTCTCATCAAATTGTGAAAAATGGCTTCACAAATCAACGACGG
GCATCTCAGGGATTACAGTGGTGTGTGAGAACCGGCGAGTTCAATGGACTCCGTCCGAAAGGGAGCTCCCCGAGGAGTTACAAAA
ACATTTGATAAAGAAGAGATTGCTGTCAACGTTGAAGACAGAAAGAAATCAAGATTATTTATTACGAAAGCCCAATATCGACCTT
TCTCAGGTCTTTGGACAAACGACTGGGAAGTGCCGACCAAAAGTCATTACCAAGACATGGAACATGCAATGAACAGAGTCTTCC
ATCTGTGGAGCTGAATGAACGTGGAGCCTCTCACAAACATAAAGATTTGGATGGCTGATGGAAAGAGGATTGTACAAAAATTCAAT
ACCTCCATAGAAATTAAAGACGTGCCGAGACTTTCTGGAAAGAAT

Q9925658.Seq

GANNCCCTNNNNNTTGANACCCCTTCTCTTGTCTTTTTCAGGATCCCTCGATTTCGAATTTCGTCGACCCACGCGTCCGGCACCC
GGCCGACGCAATGAAAGGTCCGACCCACGTGCAGCTTTACACCGGGGCCCCAGATGCCCATTTGTCGGACTGGGGACATGGAAGTCT
GAGCCAGGGAAGGTGAAGCGCGGTGCTAAGGCTATTGAGGTTGGATAACAGACACCTGGATTGTGCTTACGTGTATCAAAATG
AGACGGAGGTGGGAGAGGGGATCCAGCAGAGATAAGGAAGGAGCGGTGAANAGAGAAGACCTGTTTCATTGTTCAGCAAGCTGTG
GAACACCTTCCATGACAAGTCCATGGTGAAGGGAGCCTGCCAGAAAACCTGTCCGACCTGAAACTGGATTATCTGGATCTCTAC
CTGGTCCATTGGCCGACAGGATTCCAGGTTGGGGACCGGCTCTTCCCAATTGACAACGAGGGATGTGTAATTCGAGTAATACGC
GTTTCTGGATACTGGGANGGGATGGAGGATTGGTAGACGCTGGGCTAGTAAGGCCATCGGCATCTNAAACTTCAACCCGCGA
GCAAAATTGAGCAGCTGCTGAATAAACCCAGGACTGAAACACAAGCCCGGGTTCCACCAGTTTGAATGTCAACCCCTACCTGAATCA
AAAAAACTGATCGATTTCTTGGCCAGTCCAAGGGTATCGTGGTCACTGNCCTACAGCCCCCTGG

46343" 64604660

Q9925659. Seq

AACCCCTNNNNNTTGNNTANCCNTTGNNGNNNCNTTTTGCAGGATCCCTCGATTTCGAATTTCGTGACCCACGCGTCCGAAGAAGA
GGCAGTGAAGCAGACTCAACATTGCAGGAAAAGACAGTGGAAACAGTCTATACGTAGCCTGTGTGACAGCTCCAGCGAAACACCA
TTTCAATTTTACATTGCCAAAGGAAGGAGACCTGATTTCAGCCTATAAGTACAATAACCCACCAATGGTCGCCCAGCTAAAAACGAG
GCCCCGGGAGACATAGCACGCCCTATTGTAGTTGGAGGCTGTCTGACAGCACCCCTGGCAACCAGTGATGTCACTGCTGAAAGAAC
TATGGCTACCCAGCGATATAACTGAAGACGGTGCAATGGTCAAGCAGATGTCTCAGAAGAGAGGGGAAAAGGCAAAATTCTCACTCT
GCTTCCAATGCTAATGGGAAACTCTGTCTGAGAACTGAACTGATCACTCCTGTTAATGAGGAGAGTGAAGGGGCTCCCCAGTTTA
ACTTGAAAAAACAGATGCAGGCCAAAGAGGCAGCTGACGTTGCCGGAATGTTGCCAGTGCACAGGACTCCACCTNT
GTATTTGTGCGGGTATGTGAGGCCCATTTATGAGGAAGAAGCCAGGAGTCCAGTTTGTCTACTACCACTGTGAGGGGAAAAATCAT
TCCAAAATACAGAAAGTTGATGAGATGTCTGTGGATCTTAAATACAGTTTTCAAAAATGTTGAGG

706340" 24607.660

Q9925660.Seq

ATANCCNCTTGTCTTTTGCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGGCGGAGGATTTCAGAGGTGGTC
AGGGCAAGAAGATGAGGTTTGATGACTGAGCAGTTTTCATCTCCCTTTTAAACCTCAAGCCCATCTCCCTGAAAGGACTCTGGGG
JAGAAAAGGAGATCTGGATTCCCTACCCCAATAAATCTACTCTTGGCAGAGCCCTTCTGTGTGGACATTCCAATGTGGAATACA
IGTTTCCGTGTATCACCTGGATTCCCAAGTCATTTCAATGGAAGAGGGGACTGCTGACTGTCAATACAGACTTTTTTTTAGAGTGTG
AAAAAGAAACCCCTGCTGGACTTGGCAAAATTCCTATGTTTACCCACTGTACAAAAGATTGAGTTTTTTTTTCTTAATTCCTCTA
JATATTTGCTAAAGTGCAGACTGTTTCATGGTTTGTCTTTCAGCAACGTGTCTTGTTCAAATTAAAGAACCTCCTCTGGTTACCTG
ITTTTAGTATAAATGTTCTCCCTGAGTCTCTGAGTTTGTGACTGACTTGTCTGCTGCAGCTCTGGCTCACATCTTTGCAATGGCC
ACCCAAACATATCTGCTCTGGCTAAGGTATAGAAAAGACATGAACAATGTTGGGTAGTAAAGCAGTAGAAAAGTCAGCAAAAGCTACT
AAATGGGCTTGTGAAATGTTCTGTGTTTAAATGGGGCTAAACTTCCC

Q9925662: Seq

JTTTGGCAAATCCAGTCTACTTGTCTTTTTCAGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGGGGNTGGCTTNAGT
 JGGTCTNCTTGTGTNNNTNCNANGNTCNC'TNNNCNANN'CN'GTNAGGAGNGNCCTTTTNNTCNGNGNANTGAANTNCTNNNT
 JGTNAGNACNGGCGNCAACNGGANNGGCTNGTGNGANCNN'CNNGNTAGNNNNNTCTACTCCTACANN'TNCNCNGNTCAGNGNN
 ATNTGANGAAGANTAAGCNGGNNNGNTNCAATACNN'TTACCNCNACANNNANGAGACTNNAT'TNNGCCNCCNNANNTANTNTN
 JGGAANN'CNNGT'GCCC'TNNCTGAC'TNNNANNAGACA CAGNGGGGGNT'CG'TTNATNNANGAANCNT'CN'TNNCCCTTCTGN
 JGANCAACGACCAACNGGTGNTANNAGGGGTACTCCAA'CGGANNGACCGGNNTATTAGCTGGCANTTACCNN'TGNTTACNAATGG
 TATTNGGATNCTAACTTG'CNNTNTGNAGCGCGGAGTTCTTNTTATCTCTGGTCA'CCNANACAGAACTGCTTNN'TGGNTNTGGA
 TGTNNNANTGNCGT'TAAAA'CNATNGGGTTAGGNAACNTGGTTCA'TATCANATCNATGGAANGGANNNATATTTATNTCCNT
 JGNC'TCCANGGCATGGGATTTATNGTGANATGGGTTTGGACNTNGATTTATTNGN

Q9925678.Seq

ANACTGANTACNCAANNCGTTTANCCANGCGTCCGAGAACTACTGATAGAAATTGTGGCCATTAAAAAGATTAAACTNNGCATAGAGC
 AGAAGCTAATGATGGGATAAACAGAACAGCGCTGAGAGAGATAAAGCTACTACAGGAGTTAAGCCATCCTAAATATCATTTGGGCTACT
 GGATGCTTTTGGACACAAATCCAAACATAAGCCCTGGTGTTTGATTTTATGGAGACGGATCTTGAGGTCAATAATAAAGATACCAGCTT
 NGGATTAACTCCACTCATATTAAATCATNCAATGCCTGTGACTCTTCAAGGCTGGGAATCTTACCCCATCTTTGGATCCTCCACAGAN
 ATTNAAAAGCCNATTAAATTNNNTNTTGGATGAAAATGGGCCCTTAACCTTGGCTGNTTTNGGCCCTGGCAAAGTCTTTGGGANTNCNAA
 CCAAANTTTTCCNTTNAGGGGTACCANGNANAANTTTTNTTTTATTGGGAAGGNCCTCNNAATNTTGGCNATTTGGANGCCAAT
 GCNATAANTTNAAACAGNGCNTGCNTGGGAATTCATATGCTTTTANNNCNCACTTGGGGATNCCCTTCTTTAAAGTATTAAACACTNGGG
 GGCCAAACCAAGGNTCTTNCCTGGGCCCTTTTGTGTTTTTTTAAAAAACTTTANNAANGGCCGTTTNCNAACTAAATTTAGTTTTATTTC
 ANCGCCCCNTTTTNTNTTTTGTGNNGGGAG

Q9925680.Seq

TCCCGCTCTTGTCTTTNGCAGGATCCCTCGAATTCGAATTCGACCCACGCGTCCGTCTAAGAACAACTCAATAGTAAAAAC
 CCATGTCCCACTGAGACACATTGAGTACATTGAGAAAGGAAAAAAGCAGAGCTGCCAGAAAGCAATTCTCTCTAAGTGCAGGCAC
 GGGTCACATGACCGGGGCGAGCTGGGAAGTTGACAGGATGTCTGGCCCATGTCCGATTTCAAGATTGAATGTAGGGAAGTCTGTTT
 GCTCTTTTGGGAGATGGATTTCAGTGCAGAGTTCTGCTGGGGTAGCACTGTTGACTGATGCGTTTTGAAGAAAAAATATGTTTCCAA
 TGACAGGAACCCCTTTAAAAATATTAAATGCACAGGAGTAAATGAGTGCAATAAGTAACTTGCCGCACTGGTTTGTGACATGTCCCAGAA
 AAGGAGATTCAAGCACAACAAATGTCCCTGCTTCTAGGAAACCAATCCTCAGATCTTGAGAAATCCTGTTTCTTTTCAGAAAAAACA
 GAGACCATTTTAAAAAGAAAAAAGCAGCAATGCTGGTAGTTAAAGGCAATGTGGACATATAGGTCTGTACAAGCAGCCAAAAAAA
 ATAAAAACCGTCATTCAAAGGTCAACATCAAAATTTAATGTAATGNGAATCTAATTTACTACAAATATTTCTCTGCTTAAAGGGATCT
 GNAATGATTTTATGATGTAGTTTATTCTTAAATTACCCGTGCAAAATAATTCACTCCC

Q9925681.Seq

TCCAGCTCTTGTCTTTTGGCAGGNTNCCTCGAATTCGATTCGACCCACGCGTCCGGTAGAAAGCTAGCGCGAGGTTGCGAG
 CCAGGCTTTTAGCTCAGAGCGGCGTGCGCACGGGGGACTCCACACTTAGCGAACAAATACAGAGTAAAGATGGCTAAAGTGACC
 CTAAGAAAGCCGAAAGGCAAGATGCTGCTTACGCATATTTTGTGCAGACATGCCGTGAAGAGCACAAAAAGAAAAATCCTGAAAT
 CCCTGTCAACTTTTTCAGAGTTTCAAGAGGTGCTCTGAGAGATGGAGGGCATGCTCTGTAAAGAGAAGTCAAAATTTGATGAC
 CTTGCGAAAGGCAGACAAAGTGAGGTATGACAGAGAAATGCAAGACTTTGGACCTGTAAAGAAAGGCAAGAAAGAGAGGCCCAA
 ATGCACCTAAGAGGCCACCATCTGGCTTTTTCCTTTTCTGCTCAGAAATCCGTCACAAAAATAAATCTACAAACCTTGGTATTAC
 CATTGGCGATGTGGCAAAGAACTAGGTGAAATGTGGAATAATCTTAGTGACAGTGAGAAGCAGCCATACAAACAAGGGGGCT
 AAAC TGAAAGGAAAAATATGAAAAAGGACGTTGTGACTACAAAGTCTAAAGGAAAGTTTGTATGGCGCTNAAGCAGCCCCCAACTTGC
 ACGGAAAAAAGAAGAGGACNATGATTGATTGACCATTAAGGAAGATGAGGAGGAGGATGAANAGGGCNAANATTATT

402340 24607660

Q9925682.Seq

TTTGAANCCNTNNCTTGNNCNTTTGGCAGGATNCCATCGATTTCGAATTTCGTGACCCACGCGTCCGCTTTTTCAGTTAGACACCGCC
GGCACTATCACTTGCAACCATGTCTGTTAGAACAAACCAAATGACCTACCGCACGAGCGCTGCCCTCCGCTCCGGCGGCTTCAGC
AGCTTCTCGTACAGCGGCGCCCCCATGGCGAGTAGAGCCAGCACCGNTTCTTTTCAGCCTGGGGTCCAGCTATGGAGGAGCCTCCAGG
TTCGGGAGCGGCTACAGGAGCGGTTTGGGGGCGCAGGTGTGGGATCTCGGGGAATCACATCGGTCAAGCTCAACCAAGTTT
GCACCCCTCAACCTCGAGATCGACCCCTTCCATCCAGCAAGTGAGAACCGAGGAGAGGAGATCAAGACTCTCAACAAAGTTT
GCCTCTTTCATTGACAAAGGTGCGTTTCCCTGGAAACAGCAGAACAAAGATGCTGGAAACCAAAGTGGAGCCTCCTGCAGAACCAAGAACCC
ACACGAGCAACATGGACTCCATGTTTGAGGCCCTACATCGGCAACCTGCCCGCCCAACTGGATGGCTGGGACAGGACAAAGATGCGC
CTGGAGTCTGAGCTGGGAAATATGCAAGGCTGGTGGAGGACTTCAAGAACAAATATGAAGATGAAATTNACAAAGCGCNCAGAGCTT
GGAGAAATGAATTTGTCTGCTGAANAANGACGTGGATGANGCGTATATTAAACCAAGTACAGCTNNG

Q9925683.Seq

TTTGAAANCCNTCNATGTCCCTTTGNCAGGCTCCCATCGATTTCNAATTGTCGACCCACGCGTCCGGATTACGCCATTGCCCGACG
TATAGTGGACCTCCATTCCAGGATTGAGGAATCAATTGATAGAGTATATACACTGGATGAAGTCAGGAGATATCTTCTTTTGGCCAA
GCAATTCAAAACCTAAGATCTCTAAGGAGTCAGAAAGACTTCA TAGTGGAGCAGTACAAGCGACTGAGGCAGCGAGATGGCTCAGGAGT
TACTAAAATCTGCTTGGAGGATTACTGTACGGCAGCTGGAAAAGCATGATCAGATTGTCTGAAGGCATGGCAAGGATGCACCTGCAGTGA
TGAGGTGCAGCCCAAAACA TGTAAAGGAAGCATTTTCGGTTATTGAA CAAATCCATCATCAGGGTGGAAACTCCGGATGTCAACCTCGA
TCAAGAGGATGAACATGAGGTAGAGGAACCTCAGGAGGGCATTTAATGGAGATGCTGATGTTCCCAATGGTGTTAATGGCCACATAAA
TGGAATTAAATGGGCATGCTGAGGAGACGAATGCTGCTCCCCAAAGCCATCTTTGCGTCTTAATTTTGCTTGAAATACAAAAGGATCT
CCAACTTGCTGCTGCTGAGGAGATTTGAAGATGAAGATGATAAATGAAA CTCTCAGANAAAGAGTGAACTCTTTAAC
TGGTACCTTGAAAGGAGATTGGAGTCCANAAATTGACTCGGAAGAAGAACTCTCGTTAATAGGAAAGCCAAANTT

Q9925685.Seq

TGAAATCCATCTCTTGTCTTTTGCAGATCCNTCGATTTCGAATTTCGACCCACGCGTCCGTTGTCTTCTCTGTGAACCTTCAT
 CTTCTCCGCGAAGCCTCCTGAGATGCGACCCCTGCTAAACAGAGCCCGCAGCCTCAACTTCGGCTTCTTTGGCTAAAAAGAGACT
 TTATGAGACGTTTTCATTAAACCGACCCACCTCCCATCCAGGTTCCAGGTTGCAGCCCGTTGCAAGGATGGCAGAGTGATTACA
 CTTGTTGCTTTCCTGCACCTCAAGGACTTGGACTTCGGTCTCGTGACAAGGTCAGTGCTGTGGTGTTTTAGGCTTCAGCTGATCTGAC
 TGCAAGCTCTTGGACACCATGTACAGCCAAACAGCCCTTCCAGCCTTCAACGCCGGACTCATGCAGGATACCCGCCAACTGT
 CATTTGGGGTTTACAGGGTTTAGGACACCCCGAGCCCTTCTCCTTCGCCCTTCTACGCTGAAATCGGAAACCGAGAGTCTGGA
 GTTCAGGGTATGGGGACTGTACGACTCCTGTGTATGCCCTGGAACTCGCTGGCGTCTTTCGATCACCCAGGGCCAGATGGAGAACAAAC
 CAGCAAGGGAATCCGCCAGAGCCCCAAAGTCCGACTCTCAGCGACTCCAGGATTAAAGTCAAAAGAGGAGGTTGTCCCATGAAACTGA
 CAGCGAGAAAAAGTCCCCAGAACCCCAATAACCCAGCCCCCTAATNCT

Q9925686.Seq

TTTGAAATCNATCTCTTTTNNNTTCCCTTGATCCCTCGATTTCGAAATTCGTGACCCACGCGTCCGGGAGCATTGTGCTTCTGTGG
 ATCTGAATAAGGAGCTATGAAGGAGGACTGCAAAATGGGACTGCTGAACTACAACTGCCATATAATATTAGATCTCAGTCTGTACCA
 ACGGCACCAACAACCTGTACGGACAGACTGCACCCCATCAGTCCTAAGACTACAAGACAGACACTGGCAAGGTAATTGTAGAACAT
 ATTTCTGTGTTCTTTCCCACTCCATAAAGTGCCAAAATGAGGGATCGCCTTGAGGAGTTTCTGCAGAAATCCAAAGAACTGGAAATGT
 GCAAAGGAGACACAATCCCCTTCAGTGGACCAAAAGGAACAGATGAGCTACAGCAGCAAGCTGTGATTTTCGAAAGAGAGCCAGTTG
 TTGACAGTTTTTTACATGAATAACAGAACTGAAAAATGAGATCAGTGAACTTTCTGATTTCTGTGAGCAGGTTTGGCCAGGAGCAAA
 AGGTCCTGGTATCGAGCATGCGAAGGTTTAGCGTCAATGAAGAGGAGGACAAATATTACGAAGGTTATCAGAGTCCAGCAGAGACA
 TTAATAAACATCTGGATTCTTTATCCAGGTTGCAAAAAAAGTTGAAGCGGATCATGGGCCAACATCTGGAGTTACCAGGATAATCA
 AAGGTCAGCACTTGGCTCTGTTCAGAAAGGTTCCAGAAATATCATGTCTCCGGTT

Q9925687.Seq

TTTGAAGCCNTNCTNGTTTNCTTCCANGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGGATCCCTGTGTTGTGAGGGGC
ATCCGATCCTGCTGTGCCCCAGTCACCAAGTCGCTGCTGCAATGTACACATAAACCCGAGGGCCCCAGCAAGCTAACGACCCAGAGGAGA
ACAGGCCCCAAGCAACAGATTGACAGCAAACTGCAGAACTGAAGAACAAACACAGCTTCTCATCCCCAATACATCCAAACGGCTGG
GACTCCCTCCCAAGCAATGCACCTCCAAAACCTCGTATTTAACCGTGTAAATGGTAAGAGGAGCCAGACGCCAGGCCCTGAACCTAGAA
AGAGAGGTATACACACTGGCACACGAAGAGAACGTCCGATTCAATATCAAGCTTGGCAAGATGTAAACATCAGATGGAGGAGCCA
CAGCAGAGCAGATGCACCCCCCAGCAATATCAAGATCAGAGCCCCGACACCCACCTCAAAAATTTGTTCCTATAGATCTGGACGAG
TGGTGGGCAGAGCGCTTCTTAGCCAAACATTGAGAACTGCGCTTGACGGCCATTTTATTCCCTGTAGTGGGATACGCCAAAAGCTCGT
CTTCCCCCATAGGATGATCGCGTCAATTGTTACAGACTCATTTGCACTTTTTCCTCCCAAGTGGGGAAGGCTAAGCTTGTGCTCAGAA
GAAGAAGAAGAAGAAGGCACTTCAGCGACATTTACCCCTCTCCTGGNGG

Q9925688.Seq

TTNGAAAGCNAGCTACTTNTTGNTTTCGAGGATCCCATCCGATTTCGATTCGACCCACGCGTCCGCCCTCCCCCTTTTTTT
TT
NTTTTTTTNNNNNAAANGTT
NNTTATNTTNNGNTTTNAGGNNNNNAAATTANAANNNGANANATNATAATNAGAAGGNAAAAAAGNAAAGGGGGGGGGN
AANAATAAAAAATTATNAAGAGNTGTGNTTNGACANAAAAAANAANGGTCCGGGNNCAANAANAANA
AAAAAANGGTGGGNTGTNTTANAATAAAAAAATCCCGGGGGGNNNGGGNNCAANAATNTAANAANA
AGGGGNGNGGGGGGANAATAATNTGNNCGTGGGGAGGGGGAGATGAAAAAANAANAANAANAANA
GGGCAAAAAAATAATNGTNGANNGAANAACGGGGGGCGGAANAANAANAANAANAANAANAANAANA
NGGGGANNNANGTAA CANAAAAAATCNCCANCNANAANGAAGNATATNTANGGAGNACANNNNAACNNNNNNNG

Q9925689.Seq

TGAANCCCTCTCTTTTCCANGATCCCATCGATTTCGAATTTCGACCCACGCGTCCGCATCGTTACAGGCCAGGAACTGTAG
CTCTCCGTGAGATCCGTAGGTACAGAAATCCACAGAACTCCTAATCCGTAAATTGCCCTTCCAAACGCCCTGGTGAGGGAGATTGCCC
AGGATTTCAAAACTGACCTGAGGTTCCAGAGTGCAGCCATTGGTGCTTTGCAGAGGCTAGTGAGGCTTACTTGGTTGGTTTGTG
AAGATACCAATCTCTGCGCCATCCCATGCTAAGAGAGTGACCATGCCCCAAAAGATATCCAGCTTGCCCCGAGAAATACGGGGAGAAC
GGGCATAGTCACCCCTAACATGGCATTTCTGTATTATATCTTTAAATCTTGTGAAATGTTTGTATAAACCTGTTCCA
GACCATGTCTCAGAACCATTCATCTGTCACTCAGGATGAATCCTTATTTTAAATAGATGCCCCCTATAACAGTCGCTCATGAGATG
ATAGGGGTAGGTGCTCCTAGCTTGATATGATGATTTTGTGTTAATCGCCCTGATTTCTCAGCTTGTGGTTATCTTTTAGAAAAA
CATGGTGAAACTAGAGGGCTGGGAACAAAAAATGGTGCTAAGAACCCAGTCGTTAGACTACAATCTTTATATTTATATTAAGATATG
GCCTTATAGGAGTGGATTTTCTTTTAAATCATAGTTAAGANGTCNCT

Q9925690.Seq

TCNAGCTCTTGTTCTTTCCAGGATCCCATCGATTTCGAATTCGTCCGACCCACGCGTCCGACACAGCAGCGAGGCATTAGCAGGACA
 GCGAGCGCGGTATCATCATCATGCCCAGGACTACAGGCCGAGAAAGAGAAATGCAAGACCCTTTCTTCAGGAGTTTATTAAGG
 ATGATGAATTTGGAAAGAAAACTTCAAGTATGGCGTCCAGCTGGCTAATAATTGCTCACAGAGAGCAGGTTGCACTGTGCATTGACC
 TGGATGACTTGGCTGAGGAGGACCCAGAGTTGGTGGATGCCATCTGTGAAAATACTCGCAGGTACACAAACCTCTTTGCTGATGCTG
 TTCAGGAGCTGCTGCTCAGTATAAAGAGCCGAGAGGTAGTGCAATAAGATGCTTTGGATGTGTATATTGAAACACCGCTTAATGATGG
 AGCAGAGGGGCAGAGATCCCAATGAGATGCCAGATCCTCACAAACAGTATCCACAGAGCTTATGCCGAGATTGAACTATACTTCA
 AAGCTCCAAGTAGCTCAAAGGCCGTGTAGTACGAGATGTCAAAGCGGATTGATTGGCAAGTTGGTTACAGTTCGAGGCATCGTCA
 CGAGGGTCACAGAAAGTCAAGCCTATGATGGTAGTGCCCACTTACACTTGTGACCAAGTGCNGGGCAGAGACCTACCAACCCGATTCAA
 TCTCCGACTTTTCATGCGCGCTTATAATGTGCCCGAGCAGAAAAGTGTCT

Q9925691.Seq

TGAANNCTCTTCTTTCCANGATCCCTCGATTTCGAATTTCGACCCACGCCGTCCGATACACAAAAATCAAGGAGTAT
 CTTACATACCAAAATTATGTAGGAACTGCGACAAAAACGTTGCATTTCGATAACATCGGCAGCAATCCGAAATGCATTGCAAGCTTTA
 TGCTTTAAATGTTACAAGTTTCCTTTGAAATATTTAAAGTACAGTATTTAAAAAAAATGTTGATGCATTTCCATTCACTTGGAGCTT
 TAAATCTGAAGTGTTTTACATCTCAATGTGACAATTTGGACAGACTGTTTGTATGACTGTGAAACTGTAAATATAAATGTAAGCTGC
 TACATGTATTTTATTGCTTAAATATGTAGACCTTTTACATATAGCTTCTATAGAAATGTCTGTGTTTTTGAAAAACAAACATGATAAA
 TGCTGTGCTGGTTTATGTTTCGATATGCAGTACAGGGCAAGTGCAATCTGAGGACTGGGATTTGCCAAGAAGTGCAATCAACAACA
 ATCACTCCCTCTTCGTGTTTAAATCCCCCTTTTGTTTAATATAGAGCTAAAGTGAATCCGTTAGCCCTTGGTGTATGTTAACTTGT
 TGGACTATCCCTATTGAGCTATGGTCCAGTTTTTTTTTTTGTCTTTAGAAATCTTCACTTCCTGCCACCCCCAGTCCCTGTACCAATCAT
 TTGAAATTATGTAACTTTGGTACCGAGAAATTGCCCCAGTTTGGTAGATGG

4443 440T660

Q9925692.Seg

TTTGATAACCATCTACTTNTTNTTTCNNGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGGTCCAGCAACTTTTCAGT
TAGACACCCCGGCACTAACACTTGCACCATGTCTGTAGAACAAACCAAAATGACCTACCGCACCCAGCAGCGCTGCCCGCTCCG
GCGGCTTACGAGCTTCTCGTACAGCGGGCCCCCATGGCGAGTAGAGCCAGCACCGCTTCTTTAGCCTCGGTCAGCTATGGAG
GAGCCTCCAGGTTGCGGAGCGGCTACAGGAGCGGTTTTTGGGGCGCAGGTGTGGGATCTCGGGAATCACATCGGTTCAGCGTCAACC
AGAGTCTCCTGGCACCCCTCAACCTCGAGATCGACCCCTTCCATCCAGCAAGTGAGAAACCGAGGAGAGGAGCAGATCAAGACTCTCA
ACAAAGTTTGGCTTTCATTGACAAGGTGCGTTTCTTGGAACAGCAGAAACAAGATGCTGGAACCAAGTGAGCGCTCTGCAGAA
CCAGAAGACCACACGAGCAACATGGACTCCATGTTTGAGGCCCTACATCGGCAACCTGCGCCGCCAACTGGATGGCCTGGGACAGGA
CAAGATGCGCCTGGAGTCTGAGCTGGGAAATATGCAGGGNCTGGTGGAGGACTTCAAGAACAAATNTGAAAGATGAAAATTAAACAAG
CCCCAGAGCTGGAGAAATGAATTTGTCTCTGCTGAANAAGGACGTGGATGAAGCGT

TTGGGTTGA

Q9925693.Seq

TTTGATAATCCATCTCTTTTTCGNGGATCCCATCGATTTCGAATTCGTCCGACCCACGCGTCCGCTCCGTAGCACAGTCCGACG
CCTCTAATCCAGACATCCTCGCTAAGACGAGGCCGGGAACAACAACGTGGAGGATTCGGTTGTGGGGACGAGGAGGAAGAGACA
TGGAGGAAGAAAGGCGCGGACGATGGAGAACAAAGGGGAGGAGGTGCTGGTGGTGAATGTGGGCAGTACGTACCCCGTGTAAAGA
GAAGTGACGGCAGCCAAACATGATGCGGAGATAGTGAAGGTCCGGTACAACAACAGGCTGGAAAGAGAAAGATATTACGGGCATTACG
TGGGCTTGAACCGCCGCCAAAACGAATGGGTGGACAAATCTCGTCTGGTATTTGACCCAAACCCCGAAGGAGGGTGAACCAACGG
CACCGACCAAGAGGTGACGGATACCGCAGAGCAGCCAGACTCAAAGACTCCCCAGAGAGAAAGATTGAGGAACTTGAAGCCTGAACC
GAAGAAAGCAAAGGTGGAAGAAAAGATGCTTCAAAAAATGCATCGAGTTTAGGAGCCCGCTGGCGGATTTTGCAGAAAGAGCTGACGTG
CCCGCTGTGCGTGGAACTGTTCAAGGATCCAGTGATGGTGGCCTGTGGCCACAACCTTCTGCCGGACTTGCAATTGCAAGGCTTGGGAA
NGGCAGAGTTCCTTTGCTTGCCCTGAGTGCAAGGAATCCATCCTTGATCGCAAAAT

Q9925694 . Seq

Page 1

Q9925695.seq

Page 1

Q9925696.Seq

GGGNNNNNNNTTGAAATCCNNTCTACTTTTCTTTTCNCTNGATCCCTCGATTTCGAATTCGTCGACCCACGGTCCGCTGGAGGAG
ACAGATCTCTCCTGTTGTTCTGGTGATGTGAGGAATACTGAGAGAGGAAAGAGGGGTCTGTGGAGCCTGAGACACAGCATTGTTAA
AGGCATGGACTGTCCAGCAACAAACACAGGATTTCAGCTATTGGACATGAAGAAAATGTAAACAACCTATCTGAAGAAGAAAGAGAAAGG
TAGCAGTAAACAATTGGGACAAACCTGAAAGAGCAGAGGATTTAGTGGAGCTGATGGAAATGATGAAGAGACTGCTGACCTGCTCTTT
GGAAGAAGAGAGAGGTACCTATAAAGGCATGGAGAGCCCACTAGAAAACGATAGGACAAACCTGATGGAGCAGAGGATTTGTGTACAGGAAGCAAAAGC
TGCTGGTTTGTCTGTTGAAAAAGAGAAAGGTACTAGAAAACGATAGGACAAACCTGATGGAGCAGAGGATTTAGAGGGAGCTGATGG
AAAGGAGGAAGAGGCTGCTGAACAGTCTTTGGAAAAAGAGAGAGATACCACTAAAGACATGGACAGCTTTATAGCAGCAGCACACAG
GATTCAATGTGGAGCCACTAGACAAAAGAGAGCTNTTGGCCCTATTGAGGAGGAACACAGAGAAAACCAAAACACCCCTGAATTAA
AATGATAAAAACCTCTNTTAAGAGTCGAACTCTCCTGANGGACATTCGGACATTGGGCCANGAA

Q9925697.Seq

AAATNCAATCTACTTGTCTTTTNNCANGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGTCGGTTCCAATTGTGCGCGCC
 AGCCAGTACCGGGATACATTGTCACTAACGATATTAAATTCCTGCAAGAACCTCCAACTTCCCAAAGAATGGCACCTGCTGTTGGAG
 GCCCAGTGGGATACACTCCCCCAGAGGGGCTGGGTAGTAGTGGAGCCCTTTGTATCAATCGGATTCTCCTATGCCT
 TCCCTAAATCGATTACAGTCTTTTCAAAGACATAGAGCAATTTTGGAGCAACAAGTAGCGAGGTGTCCTGGATTCTTCTATAA
 TGCTGGCTGTAATGTATGCTGGAGGTCCAATAAGCAGTGTCTTGGTGAAACAAGTATGGAAGTCGTCTGTTATGATTGCTGGCGGTT
 GCCTTGCTGGTACTGGCTTAATTGCTGCCTCATTTTGTAAACACCGTTGCTGAGCTGTACCTTTGTATTGGTGTGTTGGAGGTTTG
 GACTTGCAATTCAACTTAAACCCAGCTTTGACAAATGATTGGAAAATATTCTTTAAGAAAAGACCCATAGCAAAATGGATTGGCTATGG
 CAGGAAAGTCCTGTATTTTGTCCACTTTAGCTCCTCTAAATCAATCTCTACAGCAATTTTGGCTGGAGAGGAAGCTTCTTGAT
 TCTGGGTGGTCTTTTACTAAATTGCTGGGTTGCTTGGGTCTTTTGATGTCNTCN

Q9925698.Seq

GCTCTTGTCTTTTGCAGGATCCCATCGATTGGAATTTCGTGACCCACGCGTCCGAACCTTATACAAACATTTTGAAGGTTCTTCAT
 TTCAGATGAGGACTTTTGTGATGACGACAGCTCAGGCTGATGAACATAATTTTCAACTAGAAATTTGAAAAGCATTCACTGAGACCA
 TAATTCCATTATTGATTGAAATGCTGGATTGAGGAATCACCTGGTACAGTCACTGGAGATTTTCTGAAAAAATTCTATGTCCATCAT
 CGCATCATCTTTTGCAACAGGTTCTAAGCATTTATTTCTTTGCTTTTGAAGCTTTGTGAACCTTCAAGATGGACAGAGAAAATGGATG
 GTTGGCTTCGTAGAACTTATCTTGCAGATTTTAGACATCATTTTATGAGCCAGTTTCCCTACTCTGTGCATGAAATTTGTGAAACAGA
 AGAAAAAGAAAAAAGTAAACAGGATAGTATGCATCTTTCAGAAATGGTCTGGATCATCTTTTATTAAACTTAACTTGTGTGACA
 TCATGATCCCACTGGCAAGTTGTCCTACTGTTCAGAGGATTTCAGAAATGGCTATCGATGATTTCGAATGTTTGTCTTGAGAACTGA
 ACCAAGGTTGGAAGCTAAATTCGAAAGCACTGAAAAGGCTATTGGATGTGACAAATAAAATTCTGGAATATCCAGAGAAAATAGAGTCCT
 ACAGAAAAGTTGGTTCACCTCAGTTTACTTATTGNACCAAG

Q9925699.Seq

TTGAAATCCCNCTCTTGTCTTTTNGCAGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGGGGCAGGCCAGAGTCGTGG
 ATCGTGGAATAGAGAACGGCGCCAAAGTTGCCAACTCGAGGCGTGGAACGACGCGTGTGTGGAAGCGGGCCTGCTGAACATTGCCGG
 GGATTACCTGTGTACGGCCTTCAACTTCTTTGACCAAGATGGCGGGCGACGAGCCGGGAGTGACTCTGGGACAGCCCATTTATC
 CAGACAGGACTTGGCCACCTTGAATGTTTCTAAGCTGACACCGCTCTCGCAAGAAATCATCAGCCGGCAAGCCACAATTAATATAGG
 CACCATAGGTCACTAGTGTAGTAAAGCTATATCTGGGGTTACACCGTCCGGTTTAAAAATGAGCTGGA
 GAGAAATATTACCATCAAGCTGGGATATGCCAATGCCAAGATTACCACTTGATGATCCTAGCTGTCTCGACCGGAATGCTATCG
 ATCGTGTGGCAGCAGCACTCCAGATGAGTTTCCAAACCGATATACCTAACCAAGGGCACTTTAAATTGGTCAGACATGTTTCATT
 TGTGGATTGCCAGGCCACGATATTTTGTGATGGCTACTATGTTAAACGGGCTGCTGCATGGATGCACCTTTGCTGTTAATAGCTGGCAA
 TGAGTCCTGTGCCACAGCCTNAGACATCAGAACACTTTGGCTGCTATAGAA

Q9925700.seq

Page 1

Q9925701.Seq

AAAAAGCCNNNTANTGCTTCTTTGGAAAGGNCNCCCNNNCTTTCCNCCNCNCANTCCCTNTNAGTATCNNTAAACCGGCNTCTT
 TTTNGAATCTTCNNTANACTATTTCAAATTNTCNGCNGGCNCTNTNATCGNANNGCNGGCGCNNNTNNCCNNNCGANANNNGGCA
 NACACANNANGACNNGTGNNCTANGCCCANCCCTGTACNNNTNAAATGNTGNGTGATTNAGGAAGNANTNCATTNNGAGNNTNTGA
 NGCNCNCTCAANAATAATGCNNTGGNAGNNANNGNNAGCCGCAAAATNCTCANNCAAGTGCNGGGGNGNNNNCTGTNCNTTNNNCAC
 GNNCGGANAGNCNGNTATNGATNNNA CGNCCGGANTAGTGAANNCGCCNNNAACNCGNTNGCCTNTANNCGGAAAGGCTNNNNAC
 TTTTACANNNA CNTANNCA NTANNGGNGNNCTCAANNCTGANNNGCCNTAACCNCGNTCTAATGANCGCNANTGNNANA TG
 NTNNGCNCAGTANGNNANCTAGNNANGCA CNNNNGA TGATNGCNGNTNCGNNA CNCA GTNACCNACNAANTAGANAGTNCNAATCN
 TGGCCGNTCNNTGNTNNTNANTNNTTNNCNA CGNNTTCANGTNNNTNCGAA CNCCCNNTNCGNACCATNGNTCNTATNA TNNAG
 NATNNNGNNA CCCCATGNTCATTAACCCCTNCCNANACTNNNGANTCNATTNNTNCAANTACNTTNNNCANATGCTTANNANNT
 CTACCNNNNANTNANTNCGNTTGNNGTGNTNACAAATNGCCCCNNA TNTCGNNTNNNAANGCGAACNNTNANNCA TNAGAGNN
 CTATACNTCANCCNCCNCG

Q9925702.Seq

NNAANCNNNGNTNGCATNNANNAACAAATANACCTNTCCCCCNNNNATANTTGGGGAATAAAANCCCCCNCGCCCGCGANTTTCAANN
CCNGGGGGGCANTAAANAAATNNTACCAACCNNTTTTTCNACCCCCCNNGGNNNNACNNNACNAAACNCGGGGGGGGANTTTT
CAAGANNNGGACNGNGCACCCCCCCCANCAANAAANNNCCCAANCNCAGTAGAGNAAANNGAAAGNGAACNANCNGTNNNA
ANCAACCCAGNANANNAGCCANNCA TANCA CNNGCGGNCNCA CCANCCACANACNANGGACANNNACNNA TANACCAACCN
CGTCGNATAANANNAAGCCANANGGNCNCAATGAGCNAAAAAGCAGAGNANAAACNNNCCAAACCAAAANCGNGCAGAN
ANTNNNTGCNGCACAAAGGCCGACCANNAAGAACCGANNNCNCCNANCCNAAAAACCNCCNAAANAGACNACNANGNG
CNGCCCCNACGAAACAAANNCANNCACCGGCAANNCGCAACNNCGAANNCACTAGNCTTNANTTAACCAACNCGGGGNNAA
AAGANNNCCANGNNCANGACANCCCAAANTNNNCAANCCANNCGGGGNNCCANNGGCANGCCACGAANANNANNAACANNGN
NGAANANAAACNCAAGGAGNCCAAACCCAGNAGNAAACACGCAACAGNANANAAACCAANNNGCNAGACNANACNTNNACACCA
CACNGNNNANCCCAANNAACCAAGAACAAATTGACNANNNNCGCCAAACNAAAGANNACCNCGAGACACCTNGNAAANCCNAAACCN
CNAAAAGACGNNNGCNGCANNG

Q9925703.Seq

GGGACGGCCTTGTTNATGCCCTTCGAAANGCCCCCNATGCNGGATCCCNNGATTTCGNATTCTGTCGNCCCNCGCNTCCGNCCTAAGAGTG
 TGGCTANAAACNNNGCCCGGANGCCGCCCTTTTAAANATCAAGAGGTGGCTCNGATNNNAGGGGAAAGAGCGGAAATAAACCCNAANT
 AACNTTAAAGANAGCCNCA TGTTGNTCTGCAATTAAGATAAATANGCTGTTNTGTTTTTANAATGATCINNCGAGTTTAAAGCNTGT
 TTTCTATGANCNGAAAAATAAAAAATTTTATTANTAAAAAATAAANNNGGGCGGNCAGGCCCTTTTGAGCCTCNAGAACTN
 TNGNAGTCNTATTACGGTGGATCCNGACNTNATNCAATACATTGANGAGTCTGGACAAACCA CANCNTGAATGCAGTNAAAAAANT
 GCTTTATTGTGAAATATGNGANTGCTNTTGCCTTTATTGNTACCANCTAAGCTGNGTTTNA CAAGTNNCNACAACCAANTGCGT
 TCATTTTNTGTTTNNANGTNCAGGGGGAGGTGTGGAGGTTTTTNTTNCNGGNCGCCNCGCCAAACATTTNGGCCCGCNTCCCA
 NTTNGTNCCTTAACTGAGGGTTAATTGNGCGNCTTGGNGCAATNATGNGTCA TANCNGGGACCTNTGTTNAAAANTGCTNTCCN
 GTTNCAAAANTCCANNTNNA CNATANGAGTCCCCGGGGCTATAACAGTGTATNNCTCTGGCGGNGGCAAAATNNNNNACCC

Q9925704.Seq

ATATNCAAGTCTACTGTTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGAAAAAAAATCCTGTAGTATT
 ATTGCCTCCTATAACCAATTGAAACAATGTAACTGGACATAAATATGTGTAAACGATCAGAGAAAGGCTCTAGATCAGGGGTCCCCA
 ACCTTTTTTCACCAAGTGAGCAACATTGAGATTTAATAAGAGTTGGGAGCAACACAAAGAACAAAAAATGTTCTGGTGGTGCCAAAT
 AAGGTTGTGATTGGCTAATGGCAGCCCTTTGTGGACTGGCAGCCTACAGGTGGGTCTGTTTGGCAGTACACCTGGTTTTTATACA
 ACTAAAACTTGCCTCCAAGCCTGGAATTCAAAAATAAGCACCTTCTTTAAGGCCACTGGGAGCAACATCCAAAGGGTTGGAGAGCAA
 CATGTTGCTCACGAGCTACTGGTTGGGGATCACTGCTCTAGATTTTGTATTACATCCATATAAAACCATATATATATACCTTAGCT
 AAGGTTTACACCTAAATACTATGTTTTTTTCCCTTTTTTTTATTATTGAAACATCAAGTTCAGTANGTGACTTGAAAAATGGTTTT
 ACAGTGTAATTGTTTTATGGTATGAGAAAGTGGTTTTTTTTTGGTGGGACAGTTGTGCTGACATACAGGCTCTCATATGAAAAATACTAAT
 TTGTAGTGGTTCACATTTGTGTACATAAAACAAAAACAGANGCTTGNNTATTTA

Q9925705.Seq

TTTGATAACCCCTTCTCTTGNTCTTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGTGGCTGCTAATCATGCC
 TGAGGAAACGGCAACACTTTCGACTGGACGGAGAAAAACAGAGGATACATCCACTGCTCCTTCAACTTCTGCAGACAAGGCCGATGG
 AATGGATATAGACACTGAAGCAAGAGACTGATGGGTGCTGGCCAAAAGACATCTTGTTCATGAAGGATGTACGTTCTTCTGTGACTTC
 ATTTCAAGGAAGCCAGCAGCCTTCTTGCAAAAGAGTATGGCGAGACTGCAGATGAATGTGCTGAAGCCTTCTATTATATGGAACTAG
 TCTTCTTGAACTGGCACCGAATGGAGAAATGGTGTCTGGGGAATGCGTTGGAAGCAATGCCGAGGATGAAGAAGAGGGAGAAAAAGA
 GGAAGATGCCAAATATTCGAGTGCAGATAATCTAGATGAGAAAGAAAAGGAGCAGTTGAGGGATCAGGTTTATGATGCAATGGCTGA
 AGAAGAGAGAGCCCCAAAAGAAAACATCTGAGTCTGAAGCATTTGGGGAAGCCAAAGAAGACGAAATCAAAGCCTATGGACACTGATGAGCA
 AAACAAAGCCTGTANAAGATAAAAATGAAAGAAATGGCAATATGGAACAACAGGAAAAAGTAA CAGATGGCTTTTGAAATTGGAAAAAGTGTAAA
 ATCGGGATGTTTCAATGGATGANTCTGAGAAAGGTGAAGTGCCTGANAGCAAAAT

Q9925706.Seq

TTGANAATCCANTCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGCAGACACATCGGGGTGGGA
TGGTCCAGGCAGCGAAGCCGCAGAGTCCAGTGGGCGGAAAGCAGGGCGCAATGACCGAAGTCTCAAGCAAACGTGTGGGTAGCCCTGG
TACTGGGGGTTTTAGTGCCATCTTTGCCCTGGATCTGGTTTAGGGGTACCAATGAGCGGGAGAGTCCGAGCCCCAGAAAAGAGTCCG
AACAAAGTGGCAGTAGGTGAAAGTGCGGCCACGACAGGAGCCCAAGTCCGTCTCANCAGGAGGATGGCGGCGTCCGCACAGGGGAAGATGA
GCGCACGTATTCAGTGGGAGCACAAGTGCAGCCGGTTGAGTCCGCCCATGTACCCGGGCAACGTGTGGAGCAGGAGTCGCAACGAG
TCCCAGATCATGATGCTGCACATCTTCTGTGTTTGAACAAAGCTCAAAATAAGAAACCAAATCCAAAAGTNAATATTGGAACCCCA
TTGTGAAGCAAAAGAGTCTCTAAATCCCTGTCAAACTGAAACTCCACAAGTCTTATGTAAAAACAGAAAAATGGAGCTCTATCCATAC
AAAAGGAGTTTGACTTGGGCAAGAAAGATTCTTCTGAACCATCCGTAAACAGAAGTTGCAGAAGATGAATTAAATTGTCCCACAAGAAT
GTGTTTATTCTATGCCAGGCATGCCATGTGAAGACCANGTGGTAGAATGCNT

Q9925707.Seq

TTGATATNCAGTCTACTTGTCTTTTTTGCAGGATCCCATCGATTTCGAATTCGTCCGACCCACGCGTCCGCGCAGTTTACCACCTGACA
 GATGCAGATTCGACCAATTTTGTCCGAACACCCCTTCTGTGCTTGTCTATGCTCCATGGTCCGGCAGTGTAAAGAAGATG
 AAACCCGACTATGAGAAGCGGCAGTGACCTGCAACAAAGTGGGTGGTGTATTTGGCGCAGTAGATTCTACAGTGCACAGAGCC
 GTGTCCGAGAAATTCACGTCACTGGGTTTCCCAACAGTGAAGTATTTTGAGAAATGGTGAGGAGAAATACACAGTACCCTCATCTGCGC
 ACAGAGCAAAAAAATCGTGGAGTGGATGAACAACCCAGAGGGCCCAACCCACAGAGCCCTTCCTGGGATGAGAAACCTTCCACCGT
 TCTGCACCTTGTGGGGAAGAGTTCCGTGAAGCCCTAAAGAAGAACAATTCATCTGGTCAATGTTCTATGCCCTTGGTGCCCA
 CTGTAAGAGCTCGGTCCCAGACTTCAACAAGCTGTATACCTTTAAGGATGATAGAAGATTGCATATGGCGCTGTAGACTGCAC
 CAAAGAGAAGACCAAGGTGTGTGCAAGCAAGANGGGTGGAAAGGATTCCCTACCTTCAACTACTACAACCTACGGAAAGTTCTTTTGA
 GAAATACAGTGGGGAACGAACAGAAATCTGGATTTATTTGGTTTTATAAAGA

Q9925708.Seq

TGAANCCATCTCTTGTCTTTATGCAGGATCCCTCGATTGAAATTCGTGACCCACGCGTCCGTGAGCAATTTANAGGACAAAAGACA
 TCCTGGTTCTTCCTCTTGATATGACCCAAATGAGTATGCATAAAGAAGCCACAGACAAAGCCTTGACGCAATTTTGGCGGAATTGATA
 TTTTAGTAAATAATGCAGGACGATCCAGCGATCCTTGATGTGGAAACTAACCTTGATGTATCCGAGCATTGATTGAACCTTAATT
 ATTTGGGGACAATTTCTATCACCAAGCATGTTCTCCCGCACATGATACAGAGGAAAAGGGGAGGATCATCAACATAAGCAGTGTAG
 CAGGCCTCATTTGGAGCACCTCTATCAACTGGATACTGTGCCAGCAAGCATGCTCTTCAGGGATTTTTCACACAGTCTTAGAACTGAAT
 TGACAACTTACCCCTGACATTATCATCAGCAACATATGTCTGTGACCTGTGACGTGAAAATAGTGGAAAATGCCATAACAGAAAGAGT
 GTGATAAGGTGTCGAGCATAAAAACGGATCAGTCTCATAAAAATGGCAACCAAGTCGCTCAACTTATATTGATAACGGCTGCAA
 ATAACTGAAAGAGACCTGGATTTTCAGCCCAGCCAATTTTAAATAATATATCTGNGGCAATACATTCCACTTTGGCATGGTGGAT
 TACTGCAAAANGTTGGTGAAAGAAGAAATAAAGAACTTCAAAAG

Q9925709.seq

AAATNCANTCTACTTGTCTTTTGCAGGATCCCATCGATTCCGAATTCGTGACCCACGCGTCCGGTGTAGCCAATCAGGAAGCTCT
CGTAGAAAGCTAGCGGAGGTTGCGAGCCAGGCTTTTAGCTCAGAGCGCGGTGCGCACGGGGGACTCCACACTTAGCGAACAAATAC
AGAGTAAAGATGGCTAAAGGTGACCCTAAGAAGCCGAAAGGCAAGATGTCTGCTTACGCATATTTTGTGCAGACATGCCGTGAAGAG
CACAAAAGAAAATCCTGAAATCCCTGTCAACTTTTCAGAGTTTTCAAAGAAGTGTCTGAGAGATGGAGGGGCATGTCTGGTAAA
GAGAGTCAAAATTTGATGACCTTGCAGAGGCAGACAAAGTGAGGTATGACAGAGAAATGCAAGACTTTGGACCTGTAAAGAAAAGGC
AAGAAGAAGAAAGGACCCAAATGCACCTAAGAGGCCACCATCTGGCTTTTCTTTTCTGCTCAGAAATCCGTCCAAAAATAAAATCT
ACAAACCTGGTATTACCATTTGGCGATGTGGCAAAGAAACTAGGTGAAATGTGGAATAATCTTAGTGACAGTGAGAAAGCAGCCATAC
AACAAACAGGGGGCTAAACTGAANGAAAAATATGAAAAGGACGTTGCTGACTACAAGTCTAAAGGAAAAAGTTTGTATGGCGCTAAAGC
AGCCCCAAAACCTAGCACGGAAAAAAGAAAGANGACGATGATGACATGAGGA

Q9925710.Seq

TTNNNNNNNCTTTTGAAAATCAATCTACTTGTCTTTTTCAGGATCCCATCGATTGAAATTCTGTCGACCCACGCGTCCGGTCCAAA
 CTTGGGAAAACAGTCATGGACGAGTACACTAAAATAGAGAAGATCGGAGAGGCACATATGGGGTCGTGTACAAGGGTCGTCAACAAG
 CAACAGGCCAGGTCGTGCAATGAAGAAAATTCGATTGGAAAAACGAAGAGGAAGGTGTCCCAAGTACAGCAATCCGAGAAAATATCAC
 TACTTAAAGAGCTTCAGCACCCCAACATAGTCTGCCCTCCTAGATGTCTCATGCAAGACTCAAGGTTGTATCTTATCTTTGAGTTTC
 TCTCCATGGATCTAAAGAAGTATTTAGACTCGATAACCCAGCGGCCAGTATATCGATACAAATGCTCGTTAAGAGTTACCTGTACCAGA
 TCCTACAAGGGAATTGTATTTGTGCCACTCCAGACGAGTTCTACACAGAGACCTGAAAACCTCAAAACCTGCTCATAGACAAATAAAGGAG
 TGATAAAGTTGGCAGATTTTGGCCCTTGGCCCTTGGGAAATTCGGGTTCCGGTTTACACACACGAGGTCGTGACGTTATGGTACA
 GAGCCCCGGAAAGTGTGTTGGGGTCAAGTCCGATATTCCACGCCAGTTGACGCTGGAGCGTAGGAACTATTTTCGCCCGAGATCGCC
 ACAAAGAACCCCTCTTCCACGGTGACTTCTGAAAATTGACCCAGCTNTTCAGGATATTCAGGTCTTTTG

Q9925711.Seq

CCCTTGGNNNNNCCTTTTGATATCCCNCTCTACTTGTCTTTTTCAGGATCCCATCGAATTCGAATTCGTGACCCACGCCGTCCGTG
 AGGAAGAACATTATGTACGTNGGTATCACTTCTGGGCAGTGGTGTTTGAAGCTGGAGTTGTAATCCAACAGCTCTGCAGTGTGTGT
 GTCTTCTCTGTGATATGGTGATACATGGACCAAGATTGTCTGTCTCCTCAGAAAGCTGTGTGGGTGAGCTTGTCTCTCACACTCCTT
 GGCTACATATTGTTTGATGCTGTAGACAAAGGAGAGAGAGACAGTGGACGACCGACTGGGCTGATCTGAAAGAGCGCACTT
 GTATTGTAGCAATTACTTATGGGTTTTCCTCCAGTGCCTTAAACACTGACTGAATCTATTAGCACCGACACAATTTATGCCATGTCA
 GTCCCTTATGCTTCTTGGACACCTGGTCTTTTTCGACTATGGAGCCCAATGCCGCTGTAGTTTCTAGTACTCTTTTCCATAAAACATGGCC
 ATTTTGTCTTCTGTGTCTTGTGCTCGCGACTTCCACGGTCCCTTTCATGCTTTTGTCTATGGTCACTTTTGGCCATCCAGATTTTGTCT
 CTGTGGCCCACTTGCAAGAAAGCTGAGGGCTAACACTCCTCGAACATACATAGGCGTAACCTTTCTTTTGGCCATTCTTACCATGG
 CTGGACTATTGAGCAATTTCGGGGTGTGGGGCTTTGCTGTCTTCTCTCCCTCCTCTCCGNGAAA

Q9925712.Seq

GATATCCNGTCTCTTGTCTTTTGGCAGGATCCCATCGAATTCGATCGACCCACGCGTCCGGTGGAGAAAGAGGTTTTTGT
TAAATCCATTGAACCATGAGTGGCTGCAGGTAATTTATTGGCAGGCTTAACCCAGCTGCCAGGAGAAAGACGTGGAGCGCTTCTTC
AAGGGTTATGGCCGTATCANAGATAATTGACTTGAAAAGAGGCTTTGGATTGTGGAGTTTGATGATCCCAGAGATGCCGAAGATGCA
GTCTATGAGCTTGATGGCAAAGAGCTGTGTAATGAGAGAGTTACAATTGAACATGCTCGTCTCCGGTCTCGAGGTGGTGGTCCAAAG
GGAATGGGCAGAGGAAGATACAATGACCCGTTTCAGTAGTCGGCGACCCCGTGGTGTAGAAAGTGTCTCCACCCATAAGGACTGAGAA
CGTCTTATAGTAGAAAAATCTGTCTTCAAGAGTCAGCTGGCAGGATTGAAAAGATTTCATGAGACAAGCTGGAGAAGTTACGTTTGCA
GATGCACACCGACCAAGCTTAATGAAGGGTTGTGAATTGTCATCCTACAGTGAATTTAAAAATGCCATTGAAAAAACTTTCTGGG
AAGGAGATTAAATGGCAGAAAGATAAACTAATTGAAGGAAATAAAAGACACAGTCGGTCAAGGAGCAGATCACGTTCCCCGCAGCAGA
AGTTCAATNCAGGTCCCCGAAGCCGCTCCCCGCTCCAAAAGCCCCGAAAGTCT

Q9925713.Seq

CCNTNNNNNNNNTTGATATCAANCTACTTGTCTTTTGGAGGATCCCATCGATTGGAATTCGTGACCCACGCGTCCGCTG
 GCACCGATGGGGACGGAGAAAACTAAATATCGACTCCATCATCCAACGCCCTCCTGGAGTAAAGGCTGCCGTCTGGGAAGAAAT
 GTTCAGCTGACAGAGATGAGATCCGGGGCCCTGTGCTGAAATCCCGCGAGATCTTCTCAGTCAGCCAATCCTGCTGGAGCTGGAG
 GCGCCGCTGAAGATCTGCGGAGATGTGCACGGTCAGTACTACGACCTGCTGCGACTGTTTCGAGTATGGCGGCTTCCCCCGGAGAGC
 AACTACCTGTTCTGGGAGATTACGTGGATCGGGGAGCAGTCGCTGGAGACCATCTGCCCTGCTGCTCGCCTACAAGATAAAGTAC
 CCCGAGAACTTCTTCTGCTGCGAGGCAACCAAGAGTGGCCAGCATCAACCGCATCTACGGCTTCTACGATGAGTGAAGCGTCGG
 TACAACATCAAGCTGTGAAAAACCTTCACTGACTGCTTTTAACTGCTTGCCTGTAGCTGCCATTGTGGATGAGAAGATCTTCTGCTGC
 CACGGAGGCCCTCTCCCTGACCTACAGTCCATGGAGCAAGTGAGGAGGATCTTACGTTCCACTGATGTCCCAGACCCANGGGCTCCTGT
 GTGACCTGCTGTGGTCTGACCCCAACAAGGACCTGCTGGGCTGGGGGAAAAATGACCGGGGG

Q9925714.Seq

CCTTTGGNNNNNCCTTTGAAANCNATCTACTTGTCTCTTTTTCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGCAAAC
 TTTGATGGATGCTACTGGGAGGTCCATATAAAAACTATGCCTGCCCTCTACATACAGGCTTCTTACAGGACAGGAGATCCCAGTCTA
 CTTATGAGAATATTATCTTTTGTATGTCTACACACTATGCTGCATTTCGATGCCAGGAAGATATGTGGACATTTTAAATTTTATCA
 TATTTGTCTAGTTCCTTACATGAACCTTTATAAAAAAGCACAAATATGCTATAAGCACACATTAATTTTGTCTCTATGCTGCTTATAGA
 ACTCCTGGAGCTCACAAGAGCTGCACAAGTGGTGCAGTATATCATGTGAAATTCGAGAAGACTGACTGGAATGTCTGCAGTTTGTGTT
 CGTGGCTACTCTCTTATTAAAGGACAGTGCAATAAGGAAATATGACTAGAAATCTTATGTCTTACACATTTGTTTATCTTGT
 CATTACTTTCTGGCTAGAAGACATTTGAAGTTCCTCTAAAGAAAGAACCTATATTTGTGAAATCATCTTATAATGGGATTTGGATCA
 TTATAAATAGAGATGGAAATCCCTGACAAAATGTGGACAAATTTTAAAGACATAGTGGATTTTTCATTGGTTTAAATTGACAACTACAT
 TTTACAAATAAACTTTTGGTATGTTAGGTATGGCAAAATAAACCCGGACCCAGTCTTAAATTTTNT

Q9925715.Seq

TTGAAATCCNNTCTACTTGTTCITTTTTCAGGATCCCATCGATTTCGAATTCGATCGACCCACGCGTCCGATTACTTCCGTGCTATGTT
TAGTTTGTGTATGGTAGAAAGTGAAGCTGATGAGGTCAACTTGCATGGAGTCACCACTCTTGGGTTGAAACAAGCCCTGGATTTCGC
CTACACTGGACAGATTCTTTTGGAGCCCTGGAGCAATCCAAGATGTGTGGCTGCTGGGAGTCACCTCCAGTTGCTGGAGCTTTTAA
CCTGTCTCTCAGTACCTCATCCAGGAATTAAATAGCTTTTAACTACCTGGATCTGTATAAGCTGGCCGACCTGTTTAAACCTAACTTT
ACTAGAGACTGCACTGGTGGAAATTTCTTTTAAACATCTGTTCAGAGCTTTTAAATAATCAACCTGAAGAGTTCTGCCACTACCTTT
TCGACTTCTCCGAGAGGTTTAAAGAGTGACCAATTAACTTCAATGAGTGAAGAACAAATATGGCAGCTGGCTGTCAGATGGCTGGA
GCACAAATGGCCGTTATCAGTACATGGATGAGCTATTGCAGTATGTTTCGTTTTTGGCCCTGATGGATACAAACACACTTCATACAGTTGC
TCTCTCTCATCCCTTTGATCCAAAGCAGTGAAACTGCAACAGCACTTATCAACGAAGCCTTGGAAATATCATCAAAATATATCTATGCACA
GCCGTGATTGGCAAAACCATAGGACAGAACCCCGCTTNCAGTCCAANT

Q9925716.Seq

AAATCNAATCTTGTCTTTTGGCAGGATCCCATCGAATTCGAATTCGTGACCCACGCGTCCGCGCAGCCATGGCTCGCGGACCGAA
GAAGCATTTGAAGCGGTTGTGCGGCCAAACATTGGATGTTGGACAAGCTGACTGGAGTCTTTGTCTCCTCGTCCATCCACTGGTCC
CCACAAGCTTAGAGAAATGTCTGCCCTGATCATCTTTCTTAGGAACCGACTTAAGTATGCTTTGACTGGGGATGAGTGAAGAAGAT
TTGCATGCAGCGCTTTATTAAATTTGATGGCAAAAGTCCGCCACAGACATTACATATCCTGCTGGCTTCATGGATGTCATAAGTATTGA
AAAGACTGGTGAGCACTTCCGTCTGGTGTATGATACCAAGGCCGATTTGCAGTGCTAGAAATTACATCTGAAGAGGCCAAGTACAA
GTTGTGCAAGGTGAGGAAGACCTGGGTGGGAACCAAGGAATCCCTCATCTGTTACCCACGATGCACGCACAAATCCGCTACCCCTGA
TCCTTTAAATTAAAGTCAATGATACCATCCAGATTGACCTGGAAACTGGCAAGATCACAGATTTCAATTAAGTTTGATACTGGTAACCT
TTGCATGGTGACTGGAGGAGCCAACTTGGGGCGAATTGGTGTATTATCAACCAAGGGAGAGGCCACCCAGGCTCATTTGATGTGGTCCA
TGTCANGGATGCAAATGGCAACAACTTTGCCCCCAGGCTTAT

Q9925717.Seq

AANCCCCCTTNNNNNTTGGATATCCANICTACTTGTCTCTTTTGGCAGGATCCCATCGATTGGAATTCGTGACCCACGCGTCCGAAT
TAAATGCTAGCATTTAAATTTTATTTAATTAACCAATAAAATGTAATGTTTATTTTAGCTGTAATATTGGTGTGTAGGCAGCCATCTCA
GGAAGAGCCCATCTCAGAAAGAGCCAGCACTTCACAATGGAACTGCTTTTCAGATAAGCCATTGTTTCACCTACTTAATGTAAACAGGA
GAAGTCGTGATGGGTTTGTCTTACTATTGAGTGATCTCATATCTATGGGATAATTTTATCAATGCAATCTTAGGGAGCTGTTATC
TTATCTTCCAATTGCTCTGCTGATGGACTGCTGGAGGGGAAAAGAGGGGTGATATCACTCCCACTTGCAGCAGTAGTAACCTGAAGTT
GATCAGAGCACATGGCTGAGGGCACTTGACAAAAGTAAACAATGTCTAGCCCCACATCAAAATTACAACATTACATATAAAAATAAAT
CCTGTTTGCTTTTATGAAAAACAGATTTCAATGCAGAAATTTCTGCTGAAAAGAGCACTGTTAACTGATGCATTTTCTTGTGACAGAATC
CCTTTGAAGGCACAATTTAATTTGTGCATTAAAAAAGTAAATTTTAAAGATCAGCTTCTTCTTAAGCCCTTCAACTACAACCTT
TTCCATCACACAACCTCGTGAATAATAATCCAGGTGGGAGACCTTCCAAAGCTGAAAGC

Q9925718.Seq

ANNCCNNTTNNNTTGANATCCNNTCTTGTCTTCTTGTGAGGATCCCATCGATTTCGAATTCTGTCGACCCACGGTCCGCTCTGT
 AGTGTGGTAGTTTCGCTAGGAGGGAGACATGAGAGTGGGAGCGGCCGAGAAAGAGGAGCCTGACCCCGGAGAGCCACCATTTGTG
 CTTATAACCAAGCTTCCAGGGATTGATCGGGCTCAAGTCTGTTACCAACATGAATGAAGTGTGATTAAAGA
 AGGTTGGCTTCAAAAAAGAGGGAGTATATTAAAAACATGGAGACCAAGATATTTCTTCTGAAAAGTGTGTTCTTTATTGGCTA
 TAAAGAGAAGCCAGAGTCCACAGAGCAAAATGTGGTGTCTCCACCCCTCAATAACTTCTGTGTCAGAAATGTCAGCTAATGAAGAC
 AGAACGGCTAGGCCCAACACATTTGTGATTTCGGTGCCTACAATGGACTACCGTTATTGAACGGACTTTTCATGTTGACACACCTGA
 GGAAAGGGAAGAAATGGATTATTGCCATCCAGACAGTGGCCCAATGGCCCTGAAGAACCCAGGTGCCCCGAAGATGAGGAGGAGGAAGCCAT
 GGAAGTTAAGTATGGCTCCCCAGCGATGTCTCAAGTGCAGCAAAATGGATGTTGCAATGTCCAAAGGGCACCCCAAGTGACCAT
 GAATGATTTTGACTCCTCAAAATTGCTGGGAAAAGGGACCTTTGGGAAGGTTATTT

Q9925719.Seq

TTNNNNTTTGTATCCAATCTACTTGTCTTTTTCAGGATCCCATCGATTGAAATTCGTGACCCACGCGTCCGTGAATTTGCCAT
 AGTTACGTCGCTAGCGAAGATTGCGCTGGCGTAAGGTGCGAAGTAACACTAGCGAAACTAAGCCAGCGTTTCGTTAGTGAATTTGCG
 CAGTAAACGAAAATGCCAAACGCTAGCGAATTAATGCTAGCGTTTCGGCACTTAGTGATTTTGCCCTAAGTACATCGTTT
 ATTGGCCTGTGTAAGGGTAGTGGGCAGATTGTTGCCCTGCAAAATATTAAATGCGTGACTGATCTCCTGATAATGCAATCTCCATTGAAA
 ATAAGTGAATAAATCTGGCGGTAAAGACCAACAATGTCAACCAAGTTGCCCTCTGGAGGAGCAAAATCTCCCCGGCAGCCACTGCCCTAAG
 TGGCCAAAACAACAGCCTGTCCAACTATATCTGAACGAAAATAAACTAGCATGTAGTTTAGGAAATCCCATTTGGATGAGGACTACT
 TTAGCCATTAAATGGGGCCCTCTCCAGTGGGTCTTCATATTCCTCTATTATGATCCAATTTATGGCATAGTGGACAAATGATCAAAT
 CAGTAAAGATTTGGCTTTTATTGCTCCACTTATTTGTATATATCCTGAGAAAAGAAATGTTCAATGGGACACTGCAACCTGTGCAGACAT
 AGCAGTCTATTTTCATGTACCTTGAAGATAAACCTTTACTTATAACAAAT

Q9925720.Seq

TGAATANCCANTCTACTTGTCTTTTTCAGGATCCCATCGATTTCGAATTCGTTCGACCCACGCGTCCGGCAGTGTCTGTAGCACAC
CGTGTTAGCGGCAAGATGGCGGAAACCGGGGACACGAGTTGGATAGTGGCAGGTAAAGAAAGCAGTGCAGGCCCTTCTGGCAT
ATCAGAAAAATAAAGCGATGCCAATTCTTTACTTTGAATGAGCACGACCGTATATCTATGATGTTAACAGTGTGGCGAATTCC
CCACGTTGAACAAGCTATCAGAATCCCCCTTCCATGCCATACGACCTGAAGTGTGATGTTTGCCTTTTACAAAGAGATGAG
CCTAACATGACATCTGAACAGACTGAGAAGTTCTACAAAAAATTACTTGTCTCAGCATGGAATAAAACAAATAAGTGAGGTCAATTG
CTCTCAAAAGACTGAAAAAGGAATATAAACCTTATGAAGCAAGCGTCGTTTGTCTGCCAGTTTGTATCTGTTCCCTTCTGATGC
CAGGATCCGCCGATTCTTGCCGTCCCTCCTGGGAAACATTTTACAAAGCTAAAAGGGAACCCAGTCTGTAACTTGAAATCA
AATCATCTGGCAGCAAGTGTAAATCGCTTTGTCCAAGGAACCCACTTTATATAAAATAACAAGGCTGTGTGCTATTCATCCCGTG
TTGGTCACTGACATGAAGTTGGTGATATTGTTGAGAAATGCTGTGTGTGTCAT

Q9925722.Seq

TTGANANCCCTNNNNANTTGTATAACCCNCTCTTGTTCCTTTTGTGAGGATCCCATCGAATTCGAATTTCGTGACCCACGCGTCCG
 AGAATATCGAAGGATGCAACGTTATGGCTGGGGTTATCCCAAATTGTTTCAGGGTCTCTTTTACAGTATTCCTCCAGCTCTGAG
 AGGACATCTGAGAGACAATGACAGCCAACTGGAGAGCCGTAATAAGACATTCAAATGAAAGCCCTGTGCACTGGAAATATTAA
 CGTAAACACAAATTCAAATCAGACAAGTTTATCTCTTCTTTTGAGCATGGTTCCTGTGTGTCAGACGCGGCCAAGAAAGAGAGA
 CTGAAGAAGGTCAATGGATTGACACCCATTGGTTTAAACATTTCGAACTGACCCAGCACTTGGAAATTCATAATTGTCTAG
 AACCAAAATATCTTGGAAAATGGCCCCCAATTGTTCAAGCCTTTCAGTACAAATTAATGACTTTGATGGTTATGATTACTGTGATGG
 AATCGATGCATCTGAAACTGATGCTATGCTGCAGGACAGCAGGTCTCTGCTGATGGAGATAAAGATGCCCTTGTGAGGGGAGA
 AAAAACAGACTAAAGAACTAGCATTGCCATGGCGTTGCAAAATACCTGTGCCATTTTACTGGCTGGGTTTGGAACTGTGTCTAG
 CTGGCATGGTTTTTTGGACATTTGTCCAGCACTGGGATGTATTCAAAAATCTTACAGAAGTCTTTATCCCTGGTTCCN

Q9925723.Seq

TTGAAANCCCTTTGNAANTTTGATAANCNATCTACTTGTCTCTTTTTCAGGATCCCATCGATTCTGAATTCGTGACCCACGCGTC
CGCGAGAGGAGCGGATCGGGCTGTTTGTGGTGTGGCTGGTAGAAAGTGGTGGATCGCTGAGCAGTTGGGCCCCCTGTGTGTGCG
TAGATCCCCGAGCTTCTTGCCAGGGCCACACACTCGTTCTTGCCCCAGTCAATGGCCAACTCCGGGCTGCAGTCTCTCGGCT
TCGTGCTGGCGATGTTGGTTGGATCGCACTGATCGCAGCGACTATTATGCCCCAGTGGAAAGATGTCTCTGTACGCCGGGACCA
GATCATCACCGCCGTGGCCATTATCAGGACTGTGGATGAGTTGGCCACTCAGAGCACCGGGCAATCCAGTGCAAAAGTCTAT
GACTCCATAATTACAGCTGGACGCATCTCTGCAGGCCACCCGGGCCCTCATGGTGGTCTCCATCATCTCTGGGCATATTTTGGAAAT
GCCGTATCTACCATGGCATGAATGCACCACTGTGGGGAGGATGATAAGNGAAAAAGTCTTGCAATGCAATGACTGGTGG
ATTTGTCTTTCTNCTTGGGGGCTTGCAGCTCTCATTTGCTGCTCTGGTATTGGCAATCAGATTATTCTGGGATTTCTACAACCC
TNTTTTGCCCAATCAATACCAAGTATGAGTTTNGGTGCTGGTGTGTTCTTTGGCTGGGCGGTTCTCTTCTGTGTTCTTNANA

Q9925723 . Seq

Page 1

Q9925725.Seq

TTTGATAGCCCTTTGNNNTTGGGATANCCCTTTCTACTTGTCTTTTTCAGGATCCCATCGATTGAAATTCGTGACCCACGC
 GTCCGACCAAGCTCAAGTTGATTGATCCGAAACACACATAGTGAGGCTTTGGTNGGCNTCTTTCATNTCCCNATTGCATNC
 AGNTTNAAAATCTGNGCTGANITTAATGTGGTACTAGGTTTATGTGGGCTTCTNNAANCTNATTGNTTAAATTTGGGTTTGN
 TAGTNTGNTTTTATAGTTGGGACCATATCTTTNCTTTAATTTGNAAGGNTTTTATNGGCNTNATA TGAAGTGTATTTTTT
 GTNACCTNTNGNTTGGGTNTTAA TANACCNGTGAA TNANNTATATTTTGTANGTCGNATAATCTGCNTTTGCTTATGAAAAA
 GGAGCGTNTTTGTTTTANTTTTACTATGTTCAACTGCACNTTTATTTTNTAGAAAAATTAANNNGGATGAATGGANNNTAA
 AAANNATNAGGTTGCCGTAANGGTCTTTCNANCNTTTAAGNTNTAGNGTCCGTATACGNCNATTCAAACNTGTTTNGGAT
 TCAATTTNTTTANTTTTCGACAATACNACCAATNTTCNNANTCGCNANNCGNAATAAATGNTNTTTTNTGATNNAATTTTGGCG
 TATGGTTTTTGGCTNTTATATTCGTTACCCCTTTCTTNNCGNNGNATTTGNTTNTGAAAGTTTAA TTTAGTNTANNNTNTTGNNA
 TTNTCATTTTTTTTTTGTNCNNGNNNTTTTCAAGGGGNANNTCTNTGCNTANTGGTTTTTTTNTNATNN

Q9925726.Seq

TNNNNTTGATATCANTCTCTTGTCTTTTTTGAGGATCCCATCGATTTCGAATTCGTGACCCACCGGTCCGCGGACGCGTGGG
 GCGCGGGTGTGGTTTAAACCTGTAGGTTTTTCGATTTTCTCCAGTCGCCATCATGTCTTCAGATCCTAGTAGTTATGGTGGCTAT
 GGAGAGGTACAGCAACAAAGCTATCCTGGATATGGGAATCAAGGCAACAGAAATCTGGACAGCCATCAAGTTTATTCTG
 GCTATGGGCAGACAGCAACAGTCATCCTATGGAGACTACAGTTCTGGCTATGGACAAGTCAATCCAGGTTATGGGCAGCCAGT
 ACAAGCCAGAGCAGCTCTGGCCATGATAACCAACAATCCTATGGAAGTTATGGACAGCAGGGTCCAGATTCAAGAGGCGGGAAC
 AGTGGAAATATCTGAACCCCAATCAAGTGGCAGCAATATCCACAACAGCCGCTTATGACCAAGCAAGCATCCGGTCAGAAGCAGC
 GATTGGGCTATGCAGAGACACCGCAACAAGGATCCTATGACAGCCTGGATATGGTCAGAAACCCCAACTACAGCAAGGATCATA
 TGACCAAGCCTGGATATGGTCAAGAAGCCACGACCAAGTATGGGAGCAATCACAGCAAGGACGTTCTGACCAAGACTGTGGTATG
 TGAA CAGCANCAATCTTACCAGTCACGGAAAGAANGCTATGGTCATTCTCTCTCAAGAAAGATG

Q9925727.Seq

ATATNCAAGCTACTTGTCTTTTGCAGGATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGGGATTATTGAGACCTAAATG
 ATCCTATCACTTTCAGTTCCAATACATAACAGTAACAGTGCATTAAATGGGTGTCCCTGCGTTGGCAATGTTATGCTTTTGTGTTAAT
 TTAGAGGGCTCTTTTCCCTTGTGAAGTCCCTTCGCCCTCTAGGTGGGATTGTGAAGAAATTGCCATCTTGATTTGTTAATTAATG
 AAAGCGGTTGTTCAGGGAACTTACATGAAGCCCTGATTATCAATAACAAGGTTTTCTGTGACTACTAAGGCTATGCTGCTGT
 GGGACCATAAACTGATTTTGTATGCGAGAAAACCTTGCTCAACAGGATGTAGGCAAGTTGGGGTTTATCACAGCATCTTGGCA
 GTTGGGAAGGTTTCTATGGGTTCAGGTGAGAAACCCAGGATAAAGAACACAGAGCAGACATGTGAAGGGCTGGGCAGGAGAGG
 GAGCTGGGCAGCTGAGAGGAGCAGCTAGAGAGCTGGAGAACCCAGAGGAGCCTGGGACAAGACATGTGAGGAATGAAGACCAGA
 GGGGAAGGCAGAGATGAAGCCGAACTCTATTCCCTGCCCTTTTGGGTAAACAACATATGTAGACTTGTGTAATGTGTAACTGTAAA
 TATTGTAATTTTGTAGTCTAAGTGTAAATCAATTTATTAGAACAAATCAATT

Q9925728..Seq

TTGANAGCCCTTTGNNNNNTTGAACCNTTCTTGTCTCTTGTCTTTTTCAGGATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCG
GCAGATGGACAGTCTCAAGATCCAGATTCAGATATCTCTAAATCGAGGTCTTAAACCCCAACACAAATCACCTGTAAATACACAT
TTGTCAGGAAGTCACTTACCGACTGGTCCATGATAACAAAATCATAGTCAGTGCCTCGTTAGTGCCTAAATCCTCACACATTA
CTTGCGTCCATTCCCTAAAGCTTCGTACTTTAGTGTATCAACTTGTCTAATGCCCTCTTTTCTGTTCCACTAGATCCACAGT
GTCAATACATCTTTTGTCTCCAGGTAGACAGCTGACATGGACCCGGTTCCATGACTAACCCATCGGAATATAGTTGCA
AGCTAAAGGTGGTATTAGACCAGTGGTGCCAGAGGATCCGGAGGTCCGACTGTTACAAATATGTGGGCGATCTATTAGTTGTTG
CCCGGAGAGGATTCATGCTATAGACACACTATCTCGCTACTGAACCACTTGGCATCCACTGGGAATAAGGCTAGCAAGGAAAAA
TTGCAGTTTGTAAAGGAGAAAGTTATTTTCTAGGCCCTCTGTATCTCAAAAGGGACCCAAACACCTAATAACACAACAGATACAG
ACTCTCAAAGACTTCACCCGACCTCGTAATGCCCGACAGTTGAGAGCCCTTCTAGGTCTGATCAATTACAGCAA

Q9925729.1 Seq
 ATATNCAATCTACTTGTCTTTTGCAGGATCCCATCGATTGAAATTCGACCCACGCGTCCGATATTTTGGCTAACTAACT
 ATATGAGAAACATTTTATTTTGCACAGCCTATCTATTTACCCAGTTTTTATTTTCACACTGAACAATTCCTTAATAGATTGA
 TATTGGTGATCCCAAGGTGCCAATAAAAAGGTCCACTGTTGCGAGAGTTTTTAATCTTTGAAAAACAAGTTGGAGGTAAGACTTTG
 TTCTAAACAGTTAAACAGTGCCACCCATCATGGGTGGGATTGACGACAAATAACCCGGAACCGTCAAGTTCTTGCACAAATGGAGGAGG
 GCGAATTAGAACGCA CGTGGAACGCGGAAGTAAGGTAAACGCGGCACATTGTTGGGACTCAAGTTCTTGCACAAATGGAGGAGG
 ATTGCAAAGCGAGGATGGTTGGCGGAAGAGTTTATTTGTCTTGGCTGCCGACATACAACTTACTACTGGGTTGTTCTGACCCGT
 GTTGATTTCTCTAGTAGTTTCGGCTCCAGCACATAATCAAAGGGGATAAGAGCGATGATGTGGGACCCACGTTTCGATTTAGAGCCT
 GCTTGCCGGGATCCTCAACAGTGTA CAGATTGTTTCATCTACATCTATTTCCATGAGGACTTTTTCATCTTTTGGTGTGCAGCTTCCT
 GATGATTTGGTTCTTTGGAGGAGGCTTTGANGAAAAATGTCCGACACAGCAAGN

Q9925731.Seq

Q9925732.Seq

TGGATANCCNNTCTACTNGTTCTTTTTCAGGATCCCATCGATTTCGAATTCGTCGACCCACGCGTCCGCTCCGCCCTCTTTTAGA
 ACGTTGTGTATCCTGCCCTCTAGTTCATGTACTTCCTGTGTGCTTCCGAGGGCTGAACACGCGTGGGGGGAACAAGCGG
 AGACATCCCCAGGGCCCGATATACTAGGCTGCTCTGATCCTTTGGCCCTGCGAGGGATCGCCGACCCGCTCTGCTGCCTTA
 GGAGCCCATCTTGTCTGCTTGAGAGGGCGAACAATGTAAAGGCCATCAGTCTGTTCCTGCATCCCCCTCCCCCTTAGATGGAT
 ATGGAGGGTCCCAGCTTGTAGATACCTCGTGTCTCAACAGCAGTTCGGAAGCCTCTTAGATCCGAACCTCCCATATAATGCCAGT
 GGGCCAAACACACCCCTTCGTGGGATTTGGGAGAGCTGTGAAGCCTTCCTATTTTAACTAACTCTATTTTCTATTGCTTTC
 CTTAAACCCCAACTGATGAGGGTCTGGAAATTCACACTGTTTGGACCAAGTATTTCCAGCCTCACACTATTTTATAGCATTTC
 TTTTATTAACTTCAATTTTAACTGTTGAAATGAAAGGAACTTTTAGATGGAATTTAACTATTTTATTTTCGGGTGATCT
 ACAGCCCCCGCTCTATTTTCATTTANTGGAAACCTTGGATTTTATATAATCGGATTTT

Q9925733.Seq

TNCAGCTCTTGTTCTTTTTCAGGATCCCTCGATTGAAATTCGTCGACCCACGCGTCCGTGGTAACAGTGTGCTGACAGTAT
GGCCGCGTCCAAACAGAGTTATTCTGGGACCTCTGGTGGGAGCCATTGACCAAGGAACGAGTTCGACACGATTTCTGGTTTAAAT
GCAAAAACAGCAGAACTGCTAAGCCCATCAAGTAGAAATCAAAACAAGTTTCCAAAAGAAAGGATGGGTAGAGCAAGATCCAA
AGGAAAATTTACGGTCTGTTATGAATGTGTAGAGAAGACGTGTGAGAAGCTGACCCAACTAAACATTGACATCACAATATCAA
AGCAATTGGAGTCAGTAACCAAAGGGAACAACCTGTGGTGGGACAAGACAACAGGAGAGCCCTCTGTACAATGCTATTGTTGG
CTAGATTGAGAACACAATCAACTGTAGAACGACTTTTAAAAAGAAATCCAGGCCAAAAATAAGAAATTTTCAAGAGTCGGA
GTCTTCCACTTAGCACTTACTTCAGTGCAGTGAAAAATTCGATGGCTTCTAGACAATGTGGAAGAGATTAGACATGCTGTTTCAGA
GGGAAGAGCAATGTTTGGAAACAGTTGATTCCTGGATCAATTTGGAGTCTTACTGTGCAAGAAATGGAGGGTGCATTGTACAGAT
GTGACCAATGCCACAGAACAAATGCTGGTTAATATTCATAATTTGGAATGGGACACANAGCTCTGCCAGTTTTTTTGGTTNTACC
TATNGGATTANTTGCCCAAAAGGGG

Q9925735.seq

Page 1

Q9925736.Seq

TCNAGCTCTTGTCTTGTGCAGGATCCATCGATTCCGAATTCTGTCGACCCACGCGTCCGATTTCATGAGACAGGGGATCCTTTC
 TTCCCCCGCCTTTTATCCAGTGGAGCAGCCTAAGCGAGGGCGGAGGGAATAATTCCCGGCGGTGCAACAGCTGAATCCGC
 ACAATCCCGCTAGAGCCTTGAATGGAAACTGAGAGGAGTCCGCCGCA CCTGCAATTCTCTAAAGGATCTGTGCTGTCACTGTT
 GCGTGTGCACTTTCCCTTTAATTTCATTATTCACTTTCTTTTAAAGTCGGCAGCTGTGAATCGGGCGCTAGAACCCACACTTGG
 CTTTATTGTGTGACAGTGAGATTGGGGCAGTGTGCGTATAACGCGCCTTCTTTGCACTAAAGCAGCAGACTAGCAGCACTCGC
 AATAAAGTCTGTATGAGCAGGATAATACTCTCCAGCAGAAACA CTGCCAAAGGAAATCACTACCTTCCACTATCCACACAG
 ATCCTATTCTCACAATTGTTATCTGGAAGTCTGTGACAGTGCAGTCCAGTGGAAATCGTATGTGTCAAGCACGACCAAGGCTCC
 TGCCGTCTCCACCTGATGGCAGTTGCACGTNCTTGTGAAACCTTGCCAAGCTGGACACCAAGCTGTGCCACGACACCTNGGNCG
 ATATCGTGCCCGTCTGCAAAACAAGTGACCATGCACTGCTAGCCTGGTGACCCAGGCNTACATGAAGAACACTATGTAAGTGNAGC
 TGGGGGTATAGAA

TEGG E460T660

Q9925663.Seq

ANANCCCTTNNNNTTGTAAACCCNTCTACTTGTCTTTTGCAGGATCCCATCGATTTCGAATTTCGTCGACCCACGCGTCCGCAA
AACTTACCAAAAAAATACTAAAAAAGGTAATGTTTTGAAGCTGGTACAAATAAAATACTGCCGTGCGGTTGAAAAATAC
CCAGTCTGTGTATCCATATGGCTCAGTGTCTCCCTTCCAGATACAGAAAGTGCAAAAGAACTTAGTTCTGTGGGCAGTCACATC
ACATTCTGATATTGGAAATGTGCAATTACTTTCCTGACGGCGAAGCCCTTTATTATTAAGCCTTTGGGGCGGTGAGGGGCAGT
TGCTTCGGTCACATTCTCAACCGTATCCCTCTCTGTGTGCAAAAGTGCCACAGTATTCATTGTGGTGTGGCCCATCTTGCAAAAC
TTGGACTGATTGCTTTCTACCAGCCCTTTTACTTCAACGTTTACATACGATATATAAAAAAGCAGAGTGGTGGTTTTTGGGGGGT
TTTTTTTCCACAGTTGTCAAAAAATGTAAAAACACAACCTGGCTGGCTTGATTTTCTACACAGCCATAGCATTTCAAAATTATTGT
ACATTTTAAAAAATAATATAAAAAATGCAGTTTAATTCCTTGTTTAAAGTCATTTTCTCTCTCTTGAGTTCTGAGGTTTTTTTT
GNTTNGTTTGTTTTTTTATTCTCGGTTCTAGCTTTGGGAAAAAATTGAAAGCGTTTAGGTTCT

Year	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

Q9925664.seq

Q9923084.504
GAAANCCCTTCTCTTGTCTTTTGCAGGATCCCATCGAATTCGAATTCGTGACCCACGCTCCGTGGAGGCCGGGATGCTCCCCCA
CCTCCACGCCCCCTACAGAAATGCACCTGCATCCCTGAGACCAACCCCAAACAGGCCAAGCCTCTCCACCTCCATCTCGGACCCCC
TCAGGACCAACCACTCTCTCCAGTCAGGAATGGAATGTTAAATTCCTGGAAGATGATTTTGAATCGAAATATTCCTTTTCAT
TCCGTGGATGATTTTCCAGCCCCGTGAAGACTACAAAACCTTTTCAGAAAACTATCCAAAGCAAAAGCATCAGAGCCACGCGTGGAGTC
CCTCCTCTTCTCTATCCTCAGGTGAAATTGATCAACGTTGCTGTACCCCATCCCTTGCCCTTGTCCCTCCTCTTTCTCTGCTCGTT
CCTTCGGGGCTGTTTCAGCATGAAGATCTTTGGTTGAGGAACAAGAGGATCCAGGATACACGTTTCTGCCTGTCTATGCAATTCAC
ATCCCCATCAATCCTCTAGCTCCTCACCACTCCTTGCACTCTAGGGAACTCATGCAGCTCTACTCAAGGCTCTAACTGGTAAAT
GGGACATTTTGCATTAGAAGTTTTCCTTCTAATATTAAATCTACATTTAGACCTAACCAATCATTTACTTACAGTAATCCCAAGTAGATAA
CACTAGCAATGGGTTCTGATACCCACANN

Q9925667. Seq

Page 1

Q9925668.Seq

TCNNTTGNCTCTTTTGCAGGATCCCTCGATTGGAATTCGTGACCCACGCGTCCGCTTCAATTGCTTGGGAACATTATATAGAACAC
 ACAACTAATGTAGCAATTAAAGCATGGTGTGCAGTGTGTGATAGAAATGGCAGTGTCTCTAATAACAACCTGGTTCTAGGAACTGGTTCT
 AGGAATGTAAATATAGCGAGGATGCACCATAAATCCATTAACTATCCATGTATTCTATGGGTGGAAACCTGTTTTATGCCACAA
 CAGGACATAGAAATGATGCCAATAGCTGGATAACACAGGATTAGTTTGCAATACAGGCTTCTGTTGTTTTCTGGGAAATTCCTGGTTA
 TAAAGATCATTTTTTTGAGTTTTGAGTTTTGTGAGAGGAACTCTGGGCACATATTAGAATACATGGATGA
 CGTATTGTGGAGCAGTTGAAAGGGTGTAAAGGTATCTGTATGTTGTGCCCCTTGTAAAGAGTAATAATAATTATCCCCGTTTTGATCA
 ACAGATATCCAGAAATCAATTAACTGGAATTGTATCTGCTTCCAGAAACAGCACTTTTGCAATTGTATTGTGCGTGAGACCAAATGTAA
 TGTGTGTATTCTAAACTTATTTCCCAATTAATTTCTCCTCGGTGCTCTCTTGGCACAAAGCTTCTAAAAAATTGTTTTACATTTATT
 TCAGGGTCTTTTGTGCTCTGN

TTTGGTCTGAAGATGTGGGTACTTGAGGCAGCATTTGGACCTTGCAAAAAGTGGACCTGGTGCNAG

Q9925670.Seq

TTTGAACCCNTNTCANGNNCTANNATACTCTTTGNANGACCCNAAATNCGTTTANCCACGCGTCCGCGTGAGAGGGGCTTTGGCTTC
AGCATTCGCGCAGACCATGCTNGAGTTTCTGCAAGACCCGTCGGTACTTACTAAAGAAAAGCTCAAGAGCGAGTTGTTGCGAACAA
CGTGACTTTACCGAGTGGGAGCAGCGGAAAGATGTGTATGTCAACTCTACCTCCAGCACCTCACCTCCAGAACCCGCGCCACCCC
AGACTTCTCAGCGACGAGGAGAGAGAGGCCCCCTATGAGAGGCGAGGCCCGCCCGGGGAAGGAAAGCGACAAAGAAAGACCGA
CAAACTAGAGCAGAAGAAAAGATGACCCAGATGTTACGGAACTCAGCAATGAGGCTCTTAAAGAAAGAACTGCTTAAATATGGAAT
GAAACCCAGGCCCAATATTAAAGTAATACTAGGAAATGTATGAGCAAGAGACTTCTTAAACTAAGGGAACAAGGCTTGAGTCTTCTGC
TCCTCCAGCTGATTCTTCAAAAGCAGACAACAAGCAAAATGGAACAACAGATTCTGAGCATTCAGTGATAAAGAAAGAGAGGCTAAA
ATAGAAGTTTGATGTTTGAAAGCGAGAACCTTGAGGGGAAAATCAAGACACAGTNAATGCGTACAGACNGGACCCGAAAAGACTGA
GACCGTGTCTGAAGATGTGGGTACTTGAGGCAGCATTTGGACCTTGCAAAAAGTGGACCTGGTGCNAG

Q9925671.seq

Page 1

Q9925672.Seq

TTNNATCCATCTCTTGTCTTTTGCAGGATCCCTCGATTTCGAATTCGTCCGACCCACCGCTCCGTCTAAGTGGTGTGACTTGTGTG
AAGATCAATAAACGTCTCGTCATGTCTGATGAAGGAAAACTCTTTATCGGTGGTCTGAATTTTGACACCAATGAGGAAAGCTTGGAG
CAAGTGTTTAGCAAAATATGGGCAGATCTCTGAAGTTGTGTGAAGGATCGGGAACAAGAGATCAAGAGGATTTGGCTTTGTC
ACATTTGAGATCCTGATGATGCCAAGGATGCTATGATGGCAATGAATGGGAAGGCTGTAGATGGCCGTCAAATCCCGCTTGATCAG
GCTGGCAAGTCTTCTGGTGATAGAAAGGTGGTTACAGAGGTGGCTCTTCTGGAGGCAGAGGCTTCTTCCGTGGAGGCAGAGCCGA
GGTGGTGGACAGAGGATATGGAAGCAGCCGTTTGTGATAACAGAAAGTGGAGGTTATGGCGGTAGCAGTGGATCCAGGGACTATTAT
AGCAGTGGCAGGAGTCAAGGCAGCTATGGTGATCGTGTGAGGTTCTTACAGAGATAGCTACGACAGTTATGCTACACACCAAGTA
AAATCCATTCCCTGACTCAAGATCGTCCCTTNCAAATGGCTGTATTATAAAGATTTTGTGAGCTTCCCAGATCGTTTNGTAGTATATC
TACTTGNGTTCACCTTTTTTTTTTAAATANACAGTTACCCCTGACACTTNTNTTATTGTGTGG

Q9925673.Seq

TGAAATCCCGTCTCTTGTCTTTTGGCAGGATNCCATCGATTGAAATTCGTGACCCACGCGTCCGGGGACACGGGCCAGTCTTTTC
 CTTTCACTTCGGTTTGGGCCCCGAGAGATGCGGTGGCCCTCGCTTACTTACACAGTAGAAGGGCGTTACAGAGAGCGGCTCAG
 GCCGTTAGATTAAAAACCTAAACATGGGGCATTTTGGACAAAACCGAAAAACCAATGCACACGGGCAGGCAATGGCGT
 GCGTTATGGA'CTCAGCAGCATGCAGGGCTGGCGAGTGGAGGACGCTCACACGGCTGTTGTCTCCCACTTACTAGAGCATATCAC
 TGA'CTGGTCTCTTCGCGGTTTACGATGGGCACGAGGATCGCGTGTGTGCTAACTATTGCTCCTCCCACTTAAAGCGGCATTAGAACTGG
 AGACAA'ATGAAGATTT'CAGGGCAACAGAAAACACCCGGATCCGCCCTGGAGCCCAACCATAGAAAACGTTAAAGCGGCATTAGAACTGG
 TTTT'AAAAATCGACGAGTACATGCGCAACTTTGCCGATTTACGAAACGGCATGGATAGAACGGGTTCCACCGCAGTGGCAGTCTT
 GCTTTCA'CCCGGCCACGTGTATTTTATTA'ACTGCGGGGATTTCCCGGCTGTTTGTATAGGAGTGGACAAGTTTGN'TTNTCCAC'AGGA
 TCCAAACCCAGCAATTCGANGGGAANGGAGCGGATTTNAAACNCNGGCCCGNAGCGGTGAN

Q9925674.Seq

TGAAATCCATCTCTTGTCTTTTGGCAGGCTCCCTCGATTGGAATTCTGACCCACGGTCCGCTTCGACAAGCGCTACTTCTTA
 CTGTA CTGCCACCAATTTCTGAAAGAGTGAATGTAAATGGCATTAACTCTGCATTATCAGCCACAGGATGGGGAGATCATGCCGTTCT
 GCTGCTTCCCTGGTGTCTAGGAAGTGGTCAGACAGACTTTGGCCCTCAGCTCAAATCTCTGGATAAAGAGCATTTACAATCATTCG
 GTGGGATCCTCGGGGATATGGCTACTCCGTTCCACCAAGCCGGGACTATCCCTTACATTTCTTTGAAAAGAGATGCAAAAAGATGCTGT
 GGATCTGATGCAGGCACCTTAACTTCAAGAAATTTCTTTGTAGGATGGAGTGGTGGTAACTGCTCTCATTTGGGGCAGGCAC
 TTACCCATCCCTCATCAGAAAGCTTGTGTTTGGGAGCAAAATGCATCTGTACAGAAAGACTTAAAGCTTTATAATGCTATAAA
 GGATGTATCAAACTGGAGTGAGAAGATGAGAAAGCCTATGGAGGATCTTTATGGAAAGGAGTATTTTGCTGATCATTTTAAAGCATGG
 TGTGAGGCAATGTGTAAGCTTGGCAGCAGAACTGATGGTAATAATTTGCCCACTTTACTTCCCTTTGGATCAATTTGCCCAACACTGAT
 TATACATGGGGAGAAAGATCCAATGGTCCCTCCCTTCNTCCACAGTATATTTCATCAACCN

TEEA E460T660

Q9925675.Seq

TGAATCCNNTCTTGTTCTTTGGCAGGCTCCCTCGATTTCGAATTCGTGACCCCGCGTCCGGTCCATAGACGTTGTACTTTTTTTGGCA
TGTGGGTGCTGCCCTATATATACCTCACCTTTTGCACGTGACCTTTTCTACAACCTTTCACTCCACATGACCCCTTAATAGCT
CTTCTTCATCCCTTTTAAATAATCGCAGAGCTCTGTTTTTGGCATTAAATAGATTTTTCATGCAGTTAAATAAACTAGTGCATCT
AACTGCATCTTTTAAAGGAACCTGGGCACTGCTTGAATTTCTGATATGCTTGAGATGACAAAGGGGAGATAAAACCAGACAAATGAAC
CCATCACAATCTGAAGACCTACGCCATAGAAAGCACTCCATTCTCTTTGTGTTATGAGATGTGTACATTCAATATCTGCCTGGGT
TGTGGCGGAAATAAAGTTGAGGTAGAAAAAGTGAACACATGAAGATGGCACAGTCGGCCCATCTGCAGAGATTTCACTACGCAGT
TTGNTGACTGCTTACACAGAGGCCCTTCAGGGCAGTCGATGCCATGCAATTAAATATGGCNCCCCCAATTTTGTGCAAAATGTGAAG
AGGGAATGGAAATTCATCTAACACATGTTNTTCTGGGGATCCCCCATTAAAGNGATTAAANGGGGATGTCCCCCTTTTGGNAAAGC
CCTACCNAAGGGNCGGTTTTTTTGCAANAAAAACNCTTTTTTACCTACAAACATTTTANG

Q9925676 .Seq

TGAATCCATCTCTTGTCTTTGGCAGGCTNCCCTCGATTTCGAATTCGTGACCCCGCTCCGCTCAGCTTTGAAACAACAGAGGAGAG
TCTACGGAAATTACTATGAGCAGTGGGAAACGCTTACAGACTGTGTGGTCAATGAGAGATCCTGCAAGTAAAGTCCAGAGGCTTTGG
CTTTGTAAACATTTTCTTGCATGAATGAAGTTGATGCAGCTATGGCAACACGTCCGCATACTATTGATGGCAGAGTAGTTGAGCCTAA
ACGAGCTGTGGCAAGAGAGGAATCTGCAAAACCTGGTGCCCAACGTCACTGTTAAGAAATTGTTGTCTCGGTGGCATTAAGGAAGACAC
AGAAGAGCATCACCTTAGAGAGTACTTTGAGGAATATGGCAAAATTGACAGCATTGAAATCATTAACAGACAAACAGTCTGGAAAGAA
GAGAGGCTTTGCCCTTTGTGACCTTCGATGATCACGACCCAGTTGATAAGATAGTTCTGCAAAAGTATCACACAATAAATGGCCACAA
CGCAGAAAGTAAGAAAGCCTTATCTAAACAAGAAATGCAAGATGTTTCAGAACACTTCGAAATAATAGAGCGCGCAACTTTGGCTTCGG
AGACTNCAGANGTGGTGGAAACCTTTTGGTTCANGACCAAGAGGCAACTTTTCAGANGANGATCTTGTATNGGTATTGGAGGTGGCCCCGT
GGNTATGGNGATAAATGGCTTTTAATGGGTATTGGNGGTGNCNCAAGCGGTGGCAACTATGGGAGG

Q9925677.Seq

TTGAAANCCATCTCTTGTCTTTTGGNCAGCNTTCCATCGATTTCGAATTTCGTGACCCACGCGTCCGGTTGTTTCTCGGCCTTCAGC
 CATAACCCAGGGCAGCCCGCCCTGACACGTTAGCTTACTAATTCTGTGTGTTACTTTTTTTTGTTCGGTATTTTAATGTGTTAAAGCA
 GGAGACACGGAAATGACTTCCAGCACCGATGTGATCCAGGTGACGAACGTTTCTCCAGCGTTTCATCTGAACAGATGATAACCCCTG
 TTCGGGTTCTGGGAAAAATCGAGGAGCTGCCGACTTTTCCGCCCGATGATTCTCCTTTGCCCTGTAAACATCTCGTGTCTGTTTGT
 AAGTTCCAAGATCCAGACTCTGCAGTGGTTTTCACAGCATCTGACTAATACAGTGTTCGTTGACAGAGCTTTTGATAGTCGTTCCATAT
 GCAGAAGGAATAATTCTGATGAAGCCAAAGCCCTGTCAATTGGTGGCGCCAGCTAATGCAAGTTGCAGGCCCTACTGCCCTGGAGGAGCG
 CTTCTTCCCACTCCCTAATCCACTCAGTCAGATTGGTGTCTTCCGCTTGTGCTTTGGGAGCCCCCTACACTTGACCCCAACTCTTGCA
 GCTCTTACTCTTCTGGAGCAACCTAAATACACAGTCTCTTGCAGCAGATCAACTTCTGAAGCTTATGAGCNCNGGTGATCCCCAAA
 GTTAAATCATGTAA CAGCAGGGCTTGGGGTCTTCCAANCCTGAAATCTGATACCTCCAGTAAAGACATTG

Q9925493.Seq

ANATNCAAGTCTACTTGTCTTTTTCAGGATCCCATCGATTCCGAATTCGTCGACCCACGCGTCCGGTCTGGTACAGTGCACAAGCC
 TGAGTTATTTATTAAAAAAGGGGTGTAGTATGTGCACCCACAGCCAAAGAAATCCAGAAAAGTGCTTATAAACTTGGATGCTAGCT
 CTAGTTGCTAGTTTGGGGTATTTTCCCTTTTGGTCTGGTCTAGACTAGTGGTCTCAGGCTTTTCCACTCAAGAAGCACTTGGTG
 GTCCAGCTTTTGTAAAGGGCCCCCGTAACATAAACATTTGGTGGATCGGTCACTAGCCATAGCTCAAGAAAATATTCAGAAATAGCAA
 ATACATTTTACCCAGAAATTGATCTGAAAACCTGGACTTTTCTATAATTCGGTTTGAATCTGACATGGGGCTAGACATTTTGTGGT
 TGTACTGAAGTCCATTTCTCAAGGGAGCAAAACAGATTTTCTATAATTCGGTTTGAATCTGACATGGGGCTAGACATTTTGTGGT
 TTCCCTGCTGCCCCAGGTCACTGTGACTTGTGCTGACGATTCANCACTAACAAATGGCCGATGTTCTGGTGCCTTCAATCAAAA
 TTTTCTGTCCAGCCCCGATCGACGAGCCGACCCGATCTNCAAGTCTTNTGCTGATATCGGTCCGGCTCTTTTNNCCACCATAACCCCCCG
 AATATCGTGGAAAAATTAGTTTGGACGATATTATCTGTGCGTCTATGGCCC

Q9925738.Seq

TCCCGTCTCTTGTCTTTGNGCANNATCCCATCGATTTCGAATTTCGTGACCCACGCGTCCGCTGCACAGAGACTTGAAACTAGG
 TAAATTTCTTCATCAATGAAAGCATGGAACATAAAGTTGGAGACTTTGGATTAGCTGCCCGTTTGGAGCCCCCTGAGCAGAGAAAG
 AAAACTATATGTGGAACACCAAACTACTTGGCACCTGAAGTTCTCTACAGGAGGGCATGGACCAGAACTCTGACATATGGTCTC
 TAGGATGTGTCAATGTCTCTGTGGAACCCCAACCGTTTGAGACATCTGATCTAAAGGAGACCTTACCGCTGTATAAAACA
 GGTGAAATATACCTTACCAGCCTGTTTGTCTCTGTGCAAGAACCTTCTCATGGGAATCCTAAACGCAACCCCTGGGGAGCGA
 CTTACACTTGACCCAGATTCTAGAGCATGAATTTTACAAAGGTTACACTCCAGATAAGCTTCCCAAGCAGCTGTGTAATGGT
 TCCTGACCTTCATCCACCCCAATCCTGCAAGAGCCCTCTTCACTAAAGTTGCCAAAAGCTTGTITGGCAAAAACAAATCAAAAACA
 AAGAAAGTCCCACCTGATGAGAAAGATGATATCTTAAGTTAGTCACAGGACTGGTAAACATTCATCTGCAGACAGCTGATT
 CAAGACTGGGGATGGAATAATGANGTTGCCCAGTACTAGTNCCTGCTGTAACTGGCTACTNCAGCCCTGTGGACACTTTTGACTGAAA
 AANCTTCTNGGAAATCTG

Q9925739.Seq

TTTGAATCCAATNTCTTGTCTTNGCGGNATCCATCGATTTCGAATTCGTGACCCACGCGTCCGGAGAGTCTGATCGGAGACCTTC
TGTGAGTTTCGTGTCGCTGACTGACCTGTAAATATGGGGCCCCAGCTAAGCACGGTGTCCAGGATCCTCACCTCCCCGTTTGGT
TTATCTTCAGCATTTTCCAGAGATTCTTCGGGAAGCCGCTCCTGCCATCACCTTAGAGAGCCCCGATATCAAATATGCGCTGAG
GCTGATCGATAGAGAGGAGATCAGCCATGACACCAAGAGGTTTCGGTTTGGTCTCCCCCTCCCCGAGCATGTCCTCGGCCTCCCC
ATTGGGCAGCATATTACCTCTCGGCGAGGGTGGACGGCAATCTGGTGGTCAGACCCCTACACCCAGTTTCCAGCGATGATAATA
AAGGTTATGTTGACCTTGTGTGAAGATCTACTTTAAACGTCCACCCCAAATTTCCAGAGGGTGGAAAGATGTCCAGTATCT
GGACTCCCTGAGGAAGACGAAACCAATTGATTTCCGAGGACCAAGCGGCTTCTCGTGTACAGTGGCAAGGGACCTTCAGATCC
GCCAGACAAAGAAGTCCCCCGGTCCCCAAAAGCAAATCACCTGGGAATGATCGCTGGTGGGACANGGATCACCCCAAATG
CTGCAGCTTATTCGACCATCCTAAAGGACAAANGGAGGATAAACCATCTGTCTCTTTGCCAACCCAGACGGNGAAAGACA
TTCTGCTCCGNTCANAATGGA

Q9925740.Seq

TTTGAAATCCNTNTCTTGNCTTTGTGGCATCCCTCGATTTCGAATTCGTGACCCCGCGTCCGAGACATAAATCAAGGTGAACAAA
GGACTGACTAAGCACCTGACTGTAAAGAACAAATATGCCAGCAGCAAAACAAATGAAGATCAGCATGATTCACAAATTGAAATCGG
ATGTTGTTGTGGCAATGGCCCGCCCACTTGATGAAGGACTGACATTGAATTCATAATTGAGTATTGTTGGCACCATGTGCTTCTG
TAAATAGTGATTTTGTGTTTACTGTTTTTAATAAAGCTCATTTTAAACATTTAAAAAATAAATAAATAAATAAATAAATAAATAA
ANNNGGGCGCGCCGCAAGGCCNTTCGAGCCTNTAAACCTATAGTGAGTCGTATTACGTANATCCAGACATGATAAGATACATTGN
TGAGTTTGGACAAACCACTTGAATGCAGNGAAAAAATGCTTTATTTGTGAAATTTGTGATGCTNTTGCCTTATTNGTAACC
ATTNTAAGCTGCAATAAACAAGTTAACAACAACAAATTGCAATTCATTTATGTTTCAGGTTCAGGGGGAGGTGTGGGAGGTTTTTT
AATTNGCGGCGCGCCGCGCAATGCAATTGGGCGCGGTAACCACTTTTGTTCCTTTAGNGANGGGTTAATTGCCCNCTTG
GCGTAATCATGNCATAGCCTGTTCCCTTGNNGGGAATTTGTTTTCCGCTCCCAATTCCCAACAACATTCGANCCCCGGGAGCATTAA
AAGTGTNAAGCCNTGGGGGGGCCTANATG

Q9925741.Seq

TTGAAATCCATCTCTTGTCTTTGNGCANCAATTCATCGATNCGAATTTCGTGACCCACGCGTCCGGCTCAGAAGAGGTATCGCC
 TTGCAGGCCGGATGGCAACACAGGAGCAGGGTTAGCGGCGCTGGATTGGCAGAAATAAGAGCTGCAGTGTCTATTTTCCACCA
 GCAACAGCGGCAATCCAAATTCTACTCCGACCCCGTGGAGCAGTGAAGACATCCAGATGGTTCAACACTACTTGTGGAGG
 CTTTGGTTTGTGTGGAATCCAGAGAACTTTATCTCAGGACTCCTGAAGACTGGAGTTAAAGGGATCACAGCTGTGAGCAACAAT
 GCAGTGTGGATAAATTTCGGCCTGGCCCTTTTGTCTTAAGACCAAGCAATAAAGCGAATGATCTCTTCGTATGTCGGGGAGAAATG
 CAGAAATTCGAGCGCCAGTATTTGGAAGGGGAACCTGGAGGTAGAACTGGTACCACAGGAACTCTGGCAGAGCGGGTACGAGCAGG
 AGGTGCTGGCAATCCCGCGTTTTTACACCCACTGGCTACGGAACTGTTAAATACAAGAGCGGGAGCTCCAATTAAATATAATAA
 GATGGCACGATTGCTATAGCCAGCCAAACCCGAAGGAGGTGAAAAGAAATTCAGTGGGCGCCATTTTGTATGGAACGTCATCAC
 AGGAGATTTTCTTTAATGAAGGCTGGAANGCAGATCTTGCTGGAAAATAATATGGTTCANGAAAACAGCAAGAAACTTCAACCAGC
 CCAATGTGCCAAAGCANCCCAAGTAACTG

Q9925742.Seq

TTTGAATCCNTNTCTTGTTCTTGNCGCATCCCTCGATTTCGAATTCGTCCGACCCACGCGTCCGCTTTGGCTTCTGCTTTAGAAAC
 AGTTGCTCTTAAACCAGATATATCTCCAGTAGGTATTAAGCCTCCTGCCCGAGTTGAAAAGACCAAGGCTGAACCTGAAAAGCCA
 CCATCCTATGAAGAAAGCTGTAACTGAAGTGTGCAAAATCAGGACCTTGCTGCTGCTTTAGGGGCTCCAAACAAGGAGCAGTGG
 TTGAAGAAACCCGAAACACCCATATATCCATAGCCTGTGACTTGATAAAGGGAACCGAATCTGTTGCCTCCGGTTTACAGAGTT
 TTCTAAACTTAAGCAGAAATGAGTTTGAGTCAAGAGTCCGATGAAAGCTCACAGATTCTGAGTGCAGCGAACCT
 TCGTACAAGCAATGGGATTTCTGAGTTGTCCAGAAAGAGGCTTTCTCTATTAAACAAGAAAGTGTAAATGCACAAAGCATCATTA
 TTCCAGAACAAAAACAAGTATTCGATCAAAAATCAGAAAGTCTTCTCCATCCAAATCTTATTAGACTCTTTCCAACTGAGAT
 TTGTGTTTCTAAAGATACCTTTGATCTCTTTGCAAGGGACTAACTACTCTGTGCAAGAGAGCCNTACAGATGGAAGAATT
 GGATGAAGGTCTCTCTTTGGGAAAAATTACCCCTGTACAAAATATTCCCAAGTGAAGTGAAGTNCNNAANCCAGCCATTCCCAGTTN
 CAGAAGATCTGAGTTCTTAAACTTGG

Q9925744.seq

TNTGTNANGCCCTTTNCAAGNCCTTTGAGNACCATNCCATCGATCCGAATTCTGTCGACCCACGCGTCCGGATTACAGGAAGCATG
 CAAAGATAATTTTAAATTTTAAAAACCTTGACCAGAGCAGCTCTCTCAGGTGCTTGATGCAATGTTTGAGAGGAGAGTGAAACCT
 CAGGAACATGTTATTGACCCAGGAGATGATGGAGATAACTTCTACGTTATTGAAAGAGGACAAATATGACATATTCTGTAGAGCCGAG
 ATGGTCAGTCAAGATGTGTGGGCAAAATATGATNATCGTGGAAATTTTGGTGAACTGGCATTTGATGACAACTCCTAGGGCTGC
 AACCATTTGTGCCACAACAGAAAGGCTCTCTTTGGGGCTGGACAGAGTGACCTTCAGACGTTATTTTGA AAAACAATGCTAAA
 AAGCGAAGAACTTATGAAATATTTATGAAATCTGTACCTGTTCTCAAAGTCATTAGAGCTTTCTGAGCGCATGAAAATTTGTGAT
 GTAAATGGTCAAAAGTGATAAAGATGGAGATCGTATCATTTCA CAGGTGATAAAGCGGACTGCTTTTATATTGTGGAATCCGG
 GAGAGGTNAAAATCATTTGATGAAAAAGTAAAGACAAAAACCAANGTCAAGAAAGGTNACCANGAAGTAGAGATCGCACCCGCTTGAATA
 NGTGGACAGTANTTTTGGAGAACTNAGTTTCTTNNCCAA CAANGNCCAA NNA CAGCTTTNACCTTACGCTGTGGGGGACGNCCAN
 GTGCTTAAATTA TTGGNTGTGCAAGGCNTTNNAAAANATTGCG

Q9925745.Seq

TGATATCCCGTCTCTTGTTCANNATCCCATCGATTGAAATTCGTGACCCACGCGTCCGGGTGTTGAGGAGCAGAAC
 AGATGCTCGTGCCCTGCGGAGAACACTGCACACGGCACAGACACGTA CTGAAGGGCACCGAGCGGTAGACTGGAGTATCTCA
 ATACACCAATACCAACAGAGGATTTTGTGACGTTTGGATTACCTTCCATGTGTGACTATACGACACACAAAAATGG
 GAAATGGACTTTCAGAACAGACTCCAATTCTCTCAGGCTTATCTCCGTTTCAGGCTCTTCAATGGCCATTTTGGGTTTGGACTG
 TGCTGGAAGAGACCAAGTGTATACAGTTACAATTCAACGAA TTTGTCAATACCGTTCCAACCAAGGATTTAATGCTGAAAAA
 ATTAAAGTTTCCCTTGGTAACTCCAAAACAGTAACTTTCCACTTTTGGGATGTTGGCGGACAAGAAAAACTCCGACCTCTTTGGA
 AATCCTACACAAGGTGCACAGATGGAATTGTGTTGTGGTGGACTCCGTGGACACGGAAGAATGGAGGAGCCAAACTGAACT
 ACATAAAATTACCAAGATTTTCAGAAAAACCATGGAGTACCTGTTTAATTGGTGCTAACAAAGCAGGACTTNGGGGAACTCCCTGACT
 CTTCTCGGAGATTGAGAAATTCTGGCCTCAATGAATTTGGTCATNCACTCCATGGCATTTTCAGGCAACGTTGTGCCATNATTGG
 AGATGGACTGANGGAAGGAATATAT

Q9925746.Seq
TNCNAGTCTACTTGTCTTGTGCAGNATCCCATCGATTTCGAATTCGTGACCCACGCGTCCGCCCCGGGGTCTCGGCTGCAACTG
CAAGGGGGATATCAGGGAGAGTGAGGAAATAAAAAATAAAGAAAGAGCGACATTGAGAAGAGGAGGGCGATTGTCCAGTTTGCA
TTTGGCCGCTTGCACTTGTGCAATTCCACAGATCCAGCCGAAACGAGGAGTCTGACGACGAGCCCGATCCTGCACGAACTAG
ACTCGGAGCCTGCACTTGTGTACAACTAGTGAGACAGAGGGGAGGCAAAAGTCTTTGTGCACCCCTCCCCC
AGCCAGCACAGGAGAGACCCGAGAGACAGAGAGAGAGAAATGTCTCAGGCGAGGGCAAGAAGAGAAATCGAGGGCTGAAAATT
CCAAAGGAAGCAATTGACCCAGCCACAAGTCAGCTCTCCAACGCCACCA CGGACTTGGATTCTAAAGCCTGCATCCTCATAGGAG
AAAAAGAACTTTGAAGTTAAGGCCGATGACTTGGAACCAATAGAAAGCTGGGCCCCGTGGAGCCTATGGAGTCGTGGAGAAGATGC
GCCATGTTCCCAAGTGAGCAGATAATGGCAGTAAAGCGCATCAGAGCTACTGTGAACAGCCAGGAACAGAAAANGCTTGCTGATGG
ACTTGGATATNTCTATGCCAACAGTGGACTTGCCATTTTACTTGTCA CGTTTATGGGNCCTGTTTAGAGANGGGGATGTCTG
GATTTGCATGGAGTTGATTGGACACTNT

Q9925749.Seq

TTTGATGCCCTTNNCTNGTTCTTTTNGCAGGATCCCATCGATTTCGAATTCGTGACCCCGCGTCCGGCCACAGACAAACAGCAGCG
 CTCTTTCTCTCAACCTCTGTGCGGGAGTAATACATGAATACTATAGCGCTGTAAAGTAGTTCCGAAAGGGCGTGGCTTGGTGG
 CATCTTCTCTGTGTCGGGAAGGATTTGGAATTGATATGACGCGGCCGTGGCTTTTCACACGACGTGCGGCCTANCT
 GGAATAAGGAGACGGGAGTATCCCGGGTGTGAGGCGCCCGCTTGCCCANAGGAAAGAGGTGTTTTCACAGAGGCTGAGTTCCG
 GGAATGACTCGGTCTTCAATGACACAGTTCTTACCTCCAAACTTGTGGTGCTCTTTGCCCTAGAGATCCAGTACCATAACC
 TCCCTCCTTTAGATAAAGTCCCATGAATAACATCAATCAGCCATACTGTGGGATTGCTCCATACATAAGAGAAATTTGAGGA
 CCTCGAGATGCTCCCCCTCCAACTAGAGCAGAGACCCGCGAGGAGCGTATGGAAGGAAAGCGAAAGGAAAGATTGAAAGAAAG
 ACAGCNGACCNTCNAAAATGAACCTTAAATTTTGGGANTCCACACAAATGATCAGNAATGCTCAAGGGGAATGCCCTCAAAACCCCTG
 TTGGTGCAAGAGTGANTTNTGATACAACAGAGTCCAAGCCTACCGNNAAAAGTTGAGGTGTATGGANCCCTNTTTAAACGGATTTC
 ATATAGNNTTACAAATAAGGGAN

Q9925750.Seq

AAANCAGCTCTTGTTCTTTTNCGGATCCCTCGATTTCGAATTTCGTGACCCACGCGTCCGGGAAATATCCCCCATTGACTTGCTTC
 CTATTGCTTTTCTTAAACCATATTTTGAAATCTTTTAAATGATTGGGGCCCTGTGCATCATAAATGGTTATCTAACAAAGTTTCTCTAT
 ACTGTCCTTAAATAGGCATATTTATAAAGGTGTGTTTCATGTTTAAATGGCCAAAAAATTGTAAAGTTTGGAGCAAAATGGCCAAAT
 TATAATGTCTCTTGCCCTTAGCCATAAAATGCCATATATCACAAATCATGTAAAAAACCCTTTGCAAAAGAGCTAGTCTGCATATTT
 ATAAATGTGTATTTTACTATGCTTAAGCCTAAAAATTACCCATTATTTTACACCACCTCTCTGTGTGGCACAAACCCATTGAAAGTC
 AATGGGACCAATTTCAGGGTTACAGAAAAATTGTGCAGATTGGTTTGTAAATAAGTGACAAACACTATGCACCTGGTTTATGTGGCT
 TTTTCCCAAGCAGTGCATCTTTTATAGATAAATATTGTGCCATCAACTGGACATTTCATATATACCTACCCACTTTTATAAATA
 TATGTGATTTGTCTTTTATAGTGACCAAGGTGTTATTGTATTATAACAAATCACCTTGTTTTTTTTTACACAGCTTTACAAA
 TATACCCCTAAGTGTATTCTTCTTATCATCAGATCTTTTTTTTTTTTATAATTGGNGTAACCTGATAGGNGATCTGCTTTTANCNA
 AAATGTGTATCT

40640" 64607660

Q9925751.Seq

TTTGAANCCNTCACTTGTCTTTTNCAGGATCCCATCGATTTCGAATTCTGTCGACCCACGCGTCCGCTGACATTGCCAGAAAGAC
CTGAAGCACCTCCTAGCTATGCAGATATTGTAACGGAAGAGCAAAGGCAGAATCTGATGTCTTCAAATGCTTGTAAACAACCTTTGA
ATTGGCTCTTCAAGGACCACCTATTGTCATACATCCCAAGAAATTTTCGTTATCTTCCCCCTCCACTATATTTCAGAGGTGGATCCCTAAT
CCAGATCAGCCCCACAGAAGAGCATCCTTCCCTGCCCATCTCGCTGAGGGATTCTTTTCCCTTACAGACAAGACTCTAAACTGCCTG
CAAGAAGTTATGGCAGTTATGTTGTAGATGCACCTCAAAGGAAACTGCTTTTCAGTTTGGAAAGTGGCAGACTTAATCAGCCCTCTG
GTCGTGGTTCCAGCACACGCTGCATTATAACGATGTGTGCTGTATATGTACGGATGCTCTTCCACTCCCCTTGTGGGCCCCAGTGA
AGAAGCTGCTGCATTTCGTACGTGGTCAAGAGATGAGGATGCACATCCTATTAGTACCAATATGGATCCGCTTTTAAAGATTTTGCAC
ACTCAGTACGAATTTAGAGCAGCTTCATTTCACTACAGCTTTTCATTTTACAAACATACACTTTCAGCTTTGGTTGTGTTTTGCA
CACCCGTGGAAGTGGAACATAAAGTTTTTGAGAAACTGGAAACTTACAAATGGCACTAAGCTTTTTTTTTTTTTTTTTTTTTTTTTT
TGGNGTTGNTTTAACCCATTCTTNN

Q9925752.Seq

TGAANTCCNCTCTTGTTCCTTCCAGGATCCCTCGATTTCGAATTTCGTTCGACCCACGCGTCCGCACCTTATAAAACAATTAAAAAT
TGTAATTCTAACTGAGACGGTTCAATTTACTGNCAGAGTTATTACAGTAATGTTAGCTTGGCATGCTGCTCTTTTTTTTTTTT
ATAAATTGNGAATTTTACATTATTGCCCTTTTACTGAGCCTTTTAAATGTAAAAATAAATCGGCTAATACTGTAGCAGTTTTTAGTTC
TTTTGTTGCAAAATATTCTCCAGTATCGGCAATGAGCCATAATTACCATACAAGAATTCCACAGCTACATTTTCTGTAAATTGTC
TGTTAATCCTTGNTAATTATGTCACCTTTAGCACCCGCTCATCTCCCTAATATATATATATGACTGTATTCTGCGTTTGATGTTCTG
TATATGTATTACCTGTTTCCCTAATAATCTCCTCTCCTACACCTGTTTATTGNAATTCATATATACAAATTTCATATATACTATTG
TTTCATTAAAAATGTACTTATTTCTGCCTAAAAAATAAATAATTCNAAAGAAAAAATAANNNGGGAATAAAAAAATAAAAAAAG
GGCGCCGCAAGGCCCTTCGAGCCTNTANAACATAAGTGAGTCGNTTACGTANATCCNGACATGATAGATACATTGNTGAGTTGG
CCAANCCCAACTGGAATGCAGGGGAAAAAATGCTTNTTTGGGAAATTTGGGNGCTATTGCTTTTATTGGAACCATTAATAAGCTGCA
AAAAAC

Q9925753.Seq

TTTGATATCCCGTCTCTTGTTGNTTTCNTGATCCCATCNATTCGAATTCGTGACCCACGCGTCCGAGCCGCCCCAGCGACCAGA
CATGCTGCGCAACAAACTGCCCTGCCAGCCCGAGCAGCAGCCGCCCTTGAGGAGACTAATAAGTCTGAGGAGACTAAT
AAGCCGAGGAGACTAATAAACCCGAGGAGATGAAGGTGAGAGAGTAATAAGGTGAGGAGCAGCCGGAGACAGCGGCGGAGG
CAGCAGCAGCTGAGGAGGAGCGCGCGGCTCANCCGAGACAACGTAACAATCTCTGCTCTCTGCCCCACGGGGGATACGA
TAAAGTGAAGCTGCAAGTAAAGAAAGGATCGCCCGTCCCTAAAGCCGGGAGGTGCTGTCGAGTGAAAGCCTCGCGGCTCAAC
TTTGCCGACTTGATGGCCAGACAGGAGTGTAAGTGGCTGCCCTCTGCCCCGTCTCCCTGGGCATGGAGTGTGCGGGCATCG
TGGAGGAGCTGGAGAGGGGTGACTGACAGGCAGGTTGGTGACAAGGTGATGTCCTTAATCGTTTGGCCTCTGGCAAGAACT
TGTACTATCCAAACCAACACCTTTCTATGCCCTGATGGGATGAGTTTGAAGAGGGGCTGCCCTTTCTGGTGAACCTACATC
ACTTGCCTACATGATCTCTTGTTCACTTTTGGAAACCTGAACCAACCAAGTGTCTGTATCCACATGGCCCGCANGTGGCGTGGG
CACAAACAATTNTTCATT

Q9925754.Seq

TGATATCCNNTCCTTGTCTTTTNCAGGATCCCTCGATTTCGAATTCGTGACCCCGCGTCCGAAACAATGCAGAAATATTAAAT
 TGATTGTATTTAGAAATGGTCTTACTTATATTAAAGGGTGGTTTCACTTTAAATAAATGTTTAGTATGAAATAGAAATGGGCAAT
 TCTGAGCAACTTTTCCATTGGTTTTTCATTATTATTTTGTAGATGTTTTCTGACTCTTTCCAGCTTTTAGATGGGCGTCGCTG
 ACCCATCTAAAAAGCAAAATGCTCTGTAAAGGTGCATACACATTATTATTACTGCTACTTTTTTATTGCTCGTCTTTCTAGGAAG
 GTCCTCTCCTATTTCGTATTCCAGGCTTTTACTCCAATCGAATTTGCAACCTTAGCTACCAAGAACCTTAAATAATAAAAAATGAAAA
 CCAATTGCAAAATTGCTCAGAAATATCACGCTCTACATCAGTGATCCCCAACCAAGTGGTCTCGTGAGTAACATGGTGCTCTCCGATC
 CCTTGGATGTTGCTCCAGTGGCTCCCAAGCAGTGCTGTTTTTTTTTTTAAATCTTTCCTTAAAGGCAAGATTATTATTTGCATAAA
 AAACATGCTACTGCCAAACAGAGCCTNTTATTGGCTTGCAAGTNCACATAGGAGCTGCCAATACCCCAATCACAGCCTTTATTG
 TCGCCCAAGGTTTTTTTTTGCAATGCTCTCCAACATTATTTTACACTTTTGAAATGTGGCTTACNGGTTAAACAAGTTTGGGGGACCCC
 TGCINTACATTATNT

Q9925755.Seq

TCAAGCTCTTGTCTTTTTCAGGATCCCTCGAATTCGAATTCGTCCGACCCACCGGTCCGACCGTTAGAAAGTGAAGTGGCTTGTGCC
 ACGAGTTTCAGAGAGCCTTTGTCTTATAGAGAACACAGGGCAGCTTTATTACTGTAGTTCCTTATGCAATGTAATGAGTGCAG
 TCCAAAACAGCGGCTCATCACCTACTAAACACTTATTGGCAGGTACAATGGTTATAGCAATGCTTGTGATGCTGAATTCTCA
 TTGATTCAATCCGTGCAAGCTTTGCTGCATTGGTGCTTTCCCTATGCACGTGTCTGGCCCCAGACTGGGATAATTACATAGGAT
 TTCAGGGAACCAATTACCGGAGCTTGTCTAGGCTTAGGTACGTAGATGACTTTATATAGGCAACGAGAAGCTCTATTCTCAGGCT
 CCTTCACTGTATTGTGCGTATTATAATCACATTAGGTCTTATAAATCAATGTATATACAATCTACTGTACATATAAGAGAAGTCCT
 TATTAATATAATGATATTATAACAAACGACAAAGGAGATGCTGAAACAAGTTGTAGGAATTGTGTGGTCCCTAAATTGCC
 AGAAGCTCTGTGGCATCTTGGCTTGACCCATTAAACATCTTCAAGNGACCGCTTATGATGTGACCCATTTTTANGCTATATCA
 GGTCCACATAACCTNCAATGCTCATNCTANTCAGATGAAAGTGGGAAGAAATAGGCATGAATGGGAGTGGTTCTTGGGTGGGGGGCTA
 TNAATN

Q9925757.Seq

GCTCTTGTTCTTTNNCGGATCCCTCGATTTCGAATTCGTCCGACCCACGCGTCCGAACATCCGTAAATCTCATCCATTAAATTA
 TTATTAATAATTCTTTCAATTGACCTCCCAACCCCATCAAAACATTTTCATTATGAAACTTCGGCTCTCTTTAGGGTCTGTTT
 AATTGCCAAATCATTAACAGGATTATCTTAGCTATACATTACACAGCAGACACATCTATAGCCTTCTCATCAGTAGCCCATATT
 TGCCGTGACGTTAACTATGGATGATTAAATTCGCAATCTCCATGCCAATGGAGCCTCATCTTCTTCATTGTCATCTACCTTCACA
 TCGGACGAGGGTTGTACTACGGCTCTTTCTTATATAAAGAAACATGAAATATTGGTGTGATCCCTATTTTATAGTTATAGCTAC
 AGCATTTGTAGGATATGTTCTACCATGAGGACAAATATCTTTTGGAGGGCTACAGNAATTACTAATCTTTCTGCTATTCCG
 TACATCGGAAACGTACTAGTCCAAATGAATTTGAGGAGGTTTCTCTGTAGATAACGCCACTTTAACCCGATTCTTCGCATTTCAC
 TCCTCCTTCCCTTTATATTGCGGAGCTAGCATCTCCATCTTTTATTTCTCCACGAAACTGGATCAACAAACCCCACTGGATT
 AAACTCAGACCCAGATAAAGTACCTTTCCACCCATACCTTCTCTTACAAAGACCTTTTAGGCTTCCTTATATATACTTACAGCACTT
 A

Q9925758.Seq

TTTGAANCCATCTTTGTTTCNTTTCNCAGGATCCCATCGATTTCNAATTTCGTCGACCCACCGGTCCGGAGGAACCAACATGGACAC
 ACTCCTTAAAGCACGCCCTGCTCTCCTTACCTTTTGGCTCTGGGCCACCCCTCTTCTTATTCCCTACTTTCAAGTGTTCGTGT
 TCTATACTCTTGTAACAAGAGCTGACCCCTAAACTGTTGGGTAATTGCATAATACCCATATGCCTGGCAATTATCTGCAATCGTCAC
 CAGTCGTTTGTGAGGGCATCAAAATCAGATAAGCAGATTGCAGCTAATTGACACATAGACTGCAAAATAATTTCCCTCAAAGGAAGA
 AGAAAACCAACCATGACAGGAAATCGAGACAACTCTGCTTTTCTCTACCATTTTACTTCAAGAGAGGGTCTGTCTTGTCTC
 TTGGGGCAACGTAAATATTTAAATAAAACAAAACCAAAATAGTTTTTTTTTTTAAATGAATGGCAGGTTGACAAT
 TACATTTTATTTCACTCACTCTTTGTATCAAAAGGGCTAAAAGGTTTCCCTCCATTCATGTAAACCAATGGGTAGCTTTCCCT
 ATTTTATAGACATGTATTTCTGCCATTGTCTCGCACTGAACTGAGAGAGCTAGTGAATCGAAGGTTCAAAATGAATGAAGGA
 AATACAGGTGTCAATTATTTAATAAATAGGCAAAATTAATCTGGGCTTAAACATTTAAAGGGAGCATCAGGAGACCCCTTGT
 TATTGGTGNAACNN